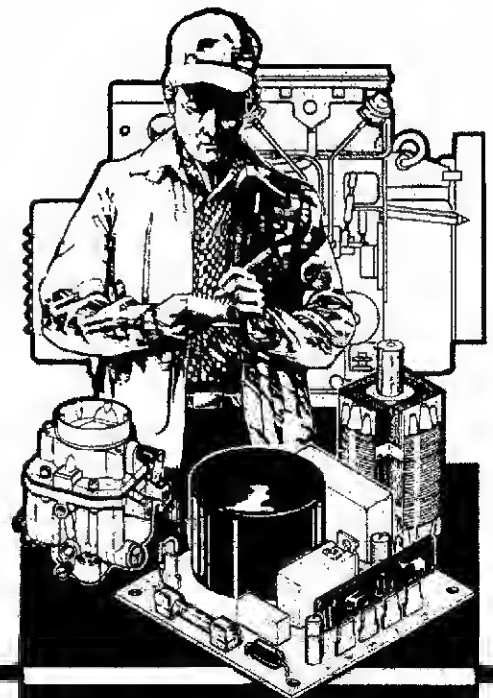


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Onan

Parts Manual

NH-RV GenSet



Onan Service Parts

940-0222
9-90 (Spec J-R)
Replaces 10-88 (Spec J-P)

SAFETY PRECAUTIONS

The following symbols are used in Onan manuals to alert users to the potentially dangerous conditions relating to maintenance of the equipment and replacement of parts. Please read and observe.

⚠ DANGER

This symbol warns of Immediate hazards which will result in severe personal injury or death.

⚠ WARNING

This symbol refers to a hazard or unsafe practice which can result in severe personal injury or death.

⚠ CAUTION

This symbol refers to a hazard or unsafe practice which can result in personal injury or product or property damage.

MODEL IDENTIFICATION

To avoid errors or delay in filling your parts order, always give the MODEL, SPEC NO., and SERIAL NO. from the Onan nameplate.

For handy reference, insert your nameplate information in the spaces below:

MODEL AND SPEC NO. _____

SERIAL NO. _____

PRODUCT SAFETY PRECAUTIONS

⚠ WARNING

Contact with USED ENGINE OILS has been identified by a United States federal agency and some USA state agencies as causing CANCER or REPRODUCTIVE TOXICITY. When checking or changing engine oils take all necessary precautions not to ingest, breathe the fumes or contact the used oil.

⚠ WARNING

Contact with ASBESTOS has been identified by a United States federal agency and some USA state agencies as causing CANCER or REPRODUCTIVE TOXICITY. When handling engine gaskets take all necessary precautions not to ingest, breathe or contact the dust from the gaskets! Use adequate ventilation and wear protective gloves, masks and clothing!

⚠ WARNING

Contact with BENZINE and LEAD, found in gasoline, fuel additives and solvents has been identified by a United States federal agency and some USA agencies as causing CANCER or REPRODUCTIVE TOXICITY. When checking, draining or adding gasoline and fuel additives, or using solvents take all necessary precautions not to ingest, breathe the fumes, or contact the liquids. Use adequate ventilation and wear protective gloves, masks and clothing!

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 Rectifier - Diode
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 Seal, Oil - Crankshaft

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 B4
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 Valve, Solenoid
 Vernatherm

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 Yoke, Governor

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Introduction

This Catalog applies to the Standard NH Recreational Vehicle Generator Set. Parts are arranged in groups of related items. Each illustration part is identified by a reference number corresponding to the same reference number in the parts list for that group. Parts illustrations are typical. Using the Model and Spec No from the nameplate select parts from this Catalog that apply to your set. Unless otherwise mentioned in the description, parts are interchangeable between models. Right and left sides are determined by facing the engine end (front) of the set.

Generator Set Data Table

MODEL AND SPECIFICATION	ELECTRICAL DATA					
	WATTS	VOLTS	HERTZ	WIRE	PHASE	TYPE
5.0 NH-FP/*	5000	120/240	50	**	1	Remote
5.0 NH-53BR/*	5000	110/120	50	**	1	Remote
5.0 NH-53CR/*	5000	120/240	50	**	1	Remote
5.0 NH-57R/*	5000	220/380	50	**	1	Remote
5.5 NH-FJ/*	5500	120/240	50	**	1	Remote
5.5 NH-FP/*	5500	120/240	50	**	1	Remote
5.5 NH-53BR/*	5500	110/220	50	**	1	Remote
5.5 NH-53CR/*	5500	120/240	50	**	1	Remote
6.5 NH-FD/*	6500	120/240	60	**	3	Remote
6.5 NH-FJ/*	6500	120/240	60	**	1	Remote
6.5 NH-3CR/*	6500	120/240	60	**	1	Remote

* - The specification letter advance (A, to B, to C, etc.) with major manufacturing changes.

** - Set is reconnectable for 120 volt, 2 wire, 240 volt 2 wire, or 120/240 volt, 3 wire service.

NOTE: The letter R in the Model and Spec denotes Electric Start with Start/Stop at both the Set and the Remote Control.

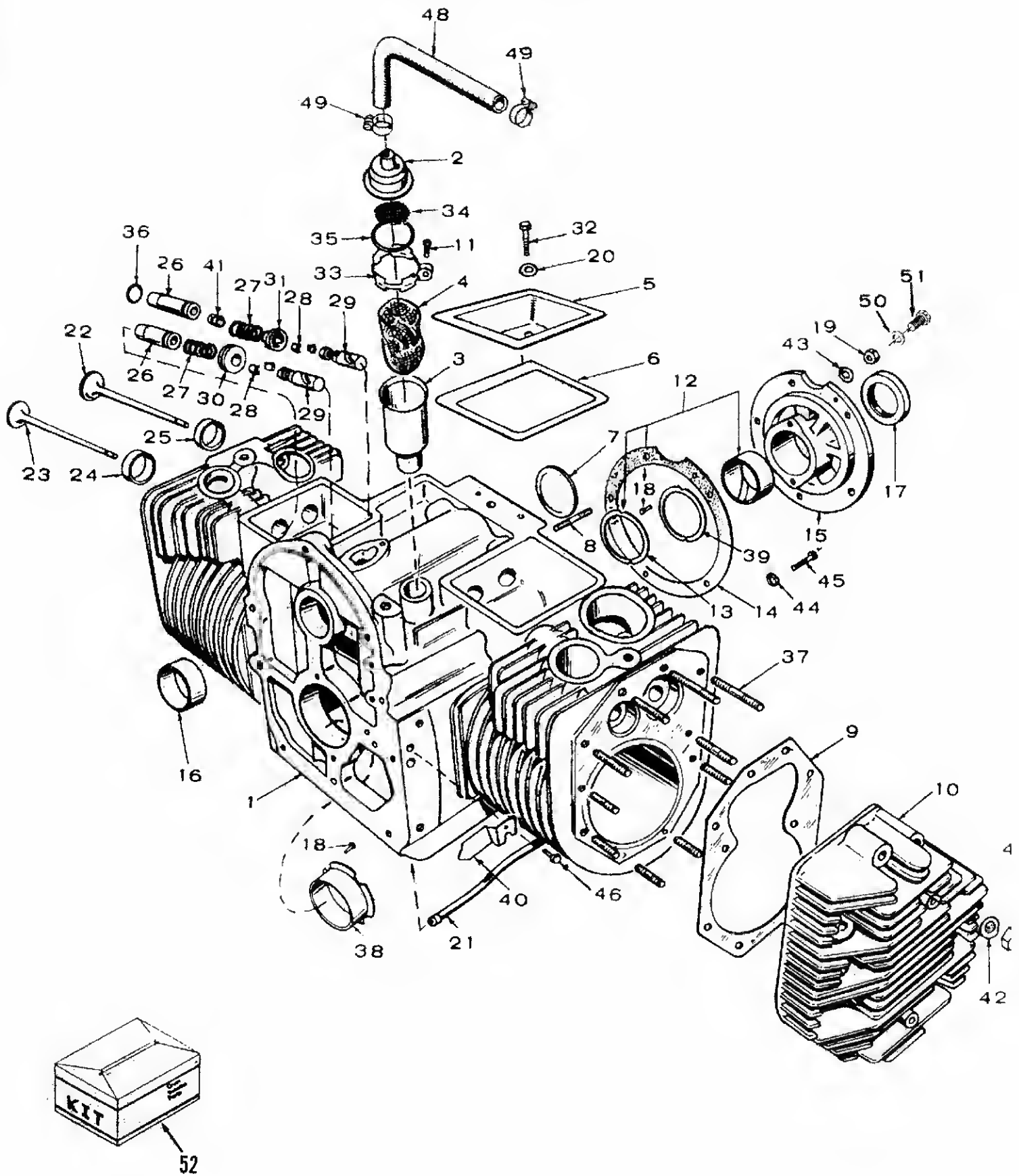
STANDARD PARTS SECTION

This section contains the illustrated parts listing for the standard generator sets listed in the Data Table.

NOTICE!

Items referenced as Optional indicate part is factory installed and may not be applicable to all models. For field conversions additional parts are usually required.

Cylinder Block

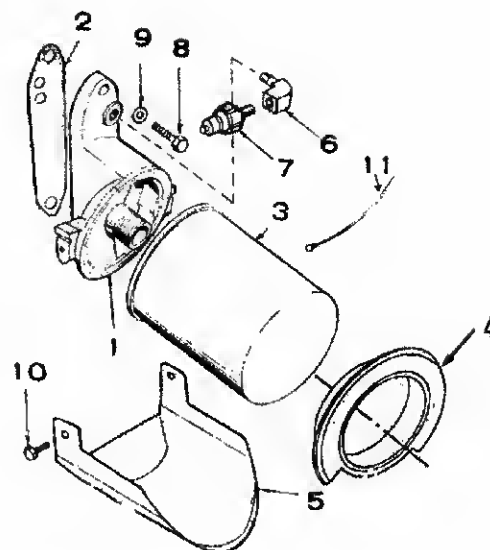
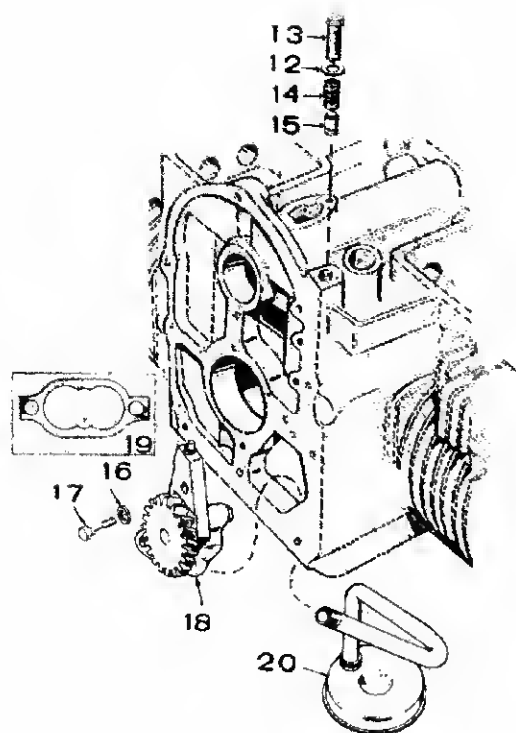


Cylinder Block

REF NO.	PART NO	QTY USED	PART DESCRIPTION	REF NO	PART NO	QTY USED	PART DESCRIPTION
1	110-2340	1	Block, Cylinder (Includes Parts Marked *)	27	110-0539	4	Spring, Valve
2	123-0954	1	Cap and Valve Breather	28	110-0639	8	Lock, Spring - Valve
3	123-0952	1	*Tube, Breather	29			Tappet, Valve
4			Baffle, Breather		115-0006	4	Standard
	123-0865	1	Spec J		115-0006-0S	4	.005" Oversize
	123-1417	1	* Begin Spec K	30	110-0904	2	Rotator, Valve
5	110-1624	2	Cover, Valve	31	110-0893	4	Retainer, Spring - Valve
6	110-3575	2	Gasket, Mounting - Valve Cover	32	800-0011	2	Screw, Cap - Hex Head (1/4-20 x 2")
7	517-0048	1	*Plug, Expansion	33	123-0951	1	Clamp, Loop - Breather Tube
8	S20-0736	5	*Stud, Mounting - Bearing Plate				Cap
9	110-2987	2	Gasket, Mounting - Cylinder Head	34	123-0958	2	Screen, Tube - Breather
10			Head, Cylinder	35	509-0117	1	Seal, "O", Ring - Breather Tube
			Spec J through N	36	110-3136	2	*Gasket, Valve Guide - Intake
	110-1912	1	Right Side	37			Stud, Mounting - Cylinder (3/8 x 1-7/8") (Bottom Holes)
	110-1913	1	Left Side		520-0717	8	(3/8 x 2-9/16") (Top Holes)
			Begin Spec P		520-0773	12	Bearing, Sleeve - Flanged Crankshaft
	110-2713	2	Left and Right Side	38			* Standard
11	809-003S	1	Screw, Tapping - Round Head (#8 x 3/4")		101-0432	1	.002" Undersize
12			Bearing, Rear - Crankshaft		101-0432-02	1	.010" Undersize
	101-0450	1	* Standard		101-0432-10	1	.020" Undersize
	101-0450-02	1	.002" Undersize		101-0432-20	1	.030" Undersize
	101-0450-10	1	.010" Undersize		101-0432-30	1	Shim, Thrust - Crankshaft
	101-0450-20	1	.020" Undersize	39	104-0776	AR	Pointer, Timing
	101-0450-30	1	.030" Undersize	40	160-1190	1	Seal, Valve - Intake
13	104-057S	2	*Washer, Thrust - Crankshaft Bearing	41	110-3604	2	Washer, Flat (3/8")
14	101-0782	1	*Gasket, Plate - Bearing	42	526-0250	20	Washer, Flat (3/8")
15	101-0439	1	*Plate, Bearing - Rear	43	S2B-02S1	5	Use w/Stude Rear Bearing Plate
16	101-0405	2	*Bearing, Camshaft				*Washer, Flat (Copper) (3/8-16 x 1/2")
17	509-0041	1	Seal, Oil - Crankshaft	44	526-0066	2	*Screw, Cap - Hex Head (3/8-16 x 1/2")
18	516-0072	4	*Pin, Stop - Bearing	45	800-0046	2	Screw, Self-Locking - Hex Washer Head (1/4-20 x 1/2")
19	104-0091	5	*Nut, Hex (Special)	46	821-0010	1	Nut, Hex (Special)
20	S26-0063	2	Washer, Flat (Copper) (1/4")	47	104-0091	20	Tube, Breather
21	120-0680	1	*Tube, Oil - Crankcase	48			Spec J
22			Valve, Intake		503-0761	1	Begin Spec K
	110-1718	2	Begin Spec K		503-0857	1	Clamp, Tube - Breather
	110-1974	2	Spec J				Spec J
23	110-1719	2	Valve, Exhaust		503-0769	2	Begin Spec K
24			Inert, Valve Seat - Exhaust		503-0770	2	Washer, Lock (3/8")
	110-1716	2	* Standard	50	850-0050	5	Later Models
	110-1716-02	2	.002" Oversize				W/O Stude Rear Bearing P
	110-1716-0S	2	.005" Oversize	S1	800-0051	5	Screw, Cap - Hex Head (3/8-16 x 1-1/4")
	110-1716-10	2	.010" Oversize				Later Models W/O Stude
	110-1716-2S	2	.025" Oversize				Rear Bearing Plate
25			Insert, Valve Seat - Intake	52			Kit, Gasket
	110-3461	2	* Standard		168-0190	1	Carbon Removal
	110-3461-01	2	.002" Oversize		168-0191	1	Engine, Complete
	110-3461-02	2	.005" Oversize				
	110-3461-03	2	.010" Oversize				
	110-3461-04	2	.025" Oversize				
26			*Guide, Valve				
	110-3167	2	Exhaust				
	110-3168	2	Intake				

* - Parts Included in Cylinder Block.

Oil System

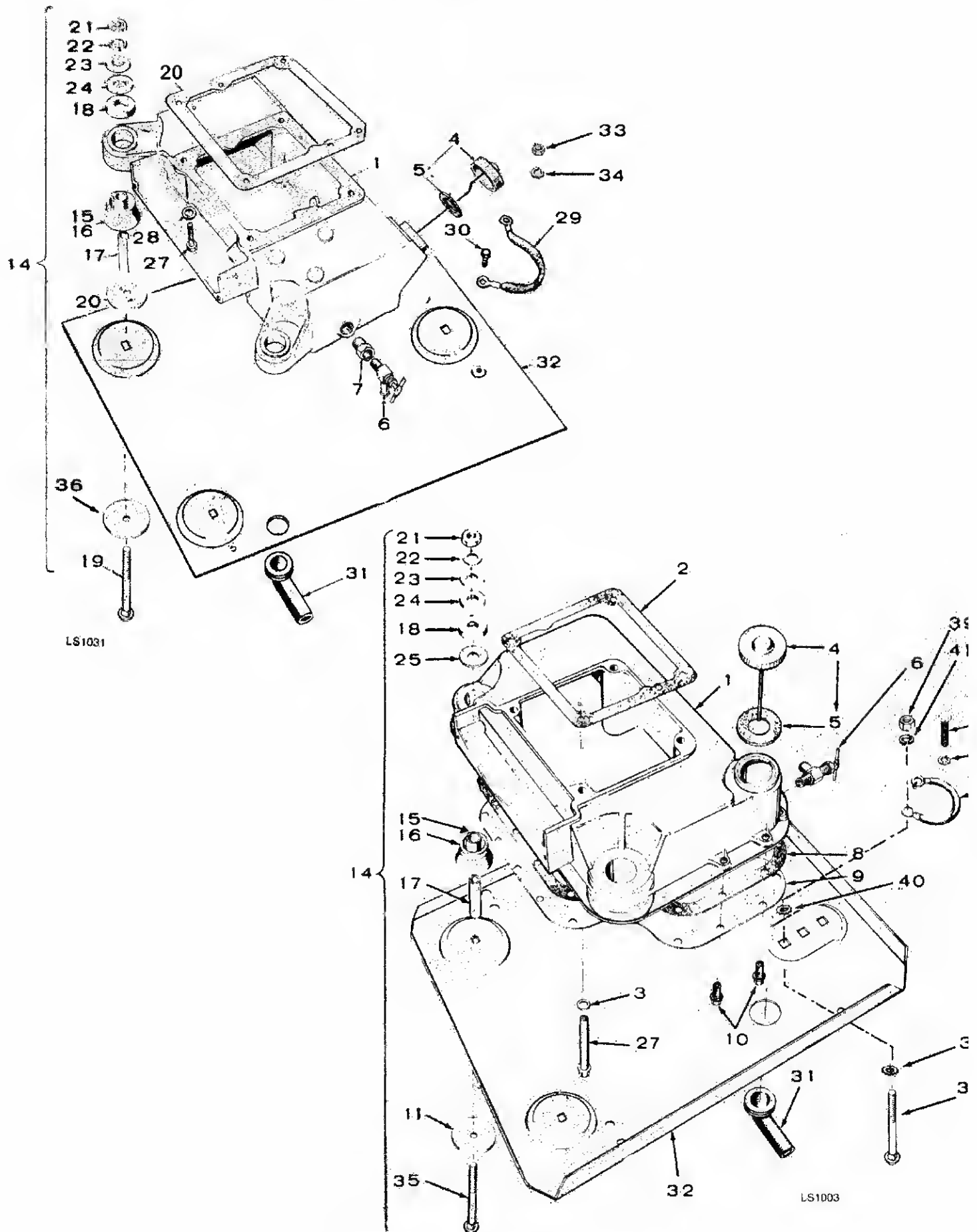


REF NO	PART NO	QTY USED	PART DESCRIPTION
1	122-0320	1	Adapter, Filter - Oil
2	122-0774	1	Gasket, Mounting - Oil Filter Adapter
3	122-0323	1	Filter, Oil - Spin-on
4	122-0502	1	Seal, Air - Oil Filter
5	122-0360	1	Orain, Filter - Oil
6	502-0053	1	Elbow, Street - 45°
7			Switch, Pressure - Low Oil
	309-0237	1	Spec J
	309-0322	1	Begin Spec K
8	800-0028	2	Screw, Cap - Hex Head (5/16-18 x 1")
9	526-0065	2	Washer, Flat - Copper (5/16")
10	815-0194	2	Screw, Tapping - Hex Head (#10-32 x 3/8")
11			Lead Electrical - Low Oil Pressure Switch
	336-2379	1	Spec J
	336-3377	1	Begin Spec K

REF NO	PART NO	QTY USED	PART DESCRIPTION
12	526-0066	1	Washer, Flat - Copper (3/8-24 x 1")
13	801-0050	1	Screw, Cap - Hex Head (3/8-24 x 1")
14	120-0140	1	Spring, Valve - Oil By-Pass
15	120-0398	1	Valve, By-Pass - Oil
16	850-0040	2	Washer, Lock - Spring (1/4-20 x 1")
17	800-0007	2	Screw, Cap - Hex Head (1/4-20 x 1")
18	120-0491	1	Pump, Oil (Components Not Sold Separately)
19	120-0161	1	Gasket Kit, Pump - Oil Cup, Intake - Oil Pump (Includes Screw Pipe and Spec J and K)
20			Begin Spec M
	120-0400	1	Spec J and K
	120-0413	1	Begin Spec M

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Oil Base and Mounting Hardware



Oil Base and Mounting Hardware

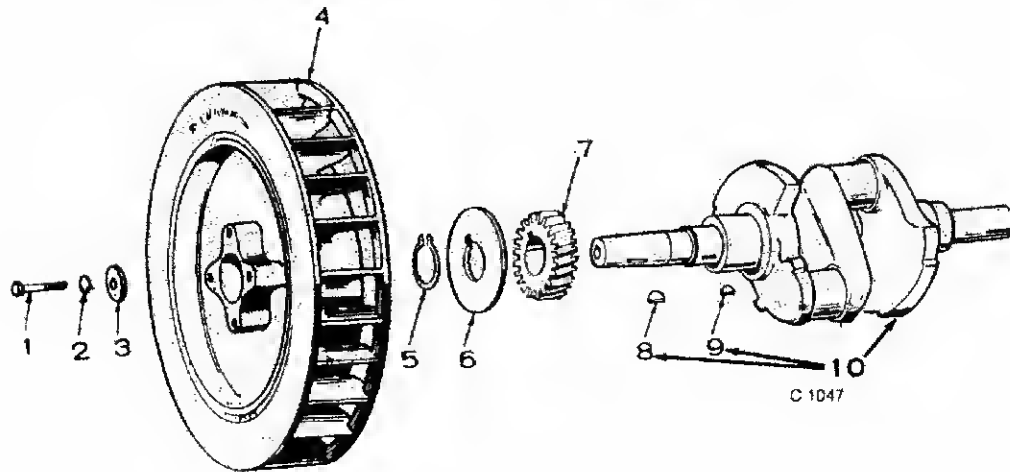
REF NO	PART NO	QTY USED	PART DESCRIPTION	REF NO	PART NO	QTY USED	PART DESCRIPTION
1	102-0801	1	Base, Oil	22	856-0012	3	*Washer, Lock - EIT (7/16")
	102-0957	1	Spec J and K		850-00SS	2	Spec J and K
2	102-1387	1	Begin Spec M (Includes		856-0012	1	Begin Spec M
3	526-0013	4	Parts Marked *)		850-0055	1	Engine End
4	123-0489	1	*Gasket, Base - Oil	23	526-0014	3	Generator End (Left Side)
	123-1400	1	Washer, Flat (3/8")		526-0014	2	Generator End (Right Side)
5	123-0191	1	Cap and Indicator, Fill - Oil		526-0198	6	*Washer, Flat (7/16")
6	504-0092	1	Spec J and K		526-0198	2	Spec J and K
7	505-0019	1	Begin Spec M		526-0198	1	Engine End
8	102-1275	1	Gasket, Cap - Oil Fill	24	526-0198	1	Generator End (Left Side)
9	102-0889	1	Valve, Drain - Oil		526-0198	1	Generator End (Right Side)
10	821-0018	20	Reducer, Pipe - Spec J and K	25	526-0286	1	*Washer, Flat (9/16")
11	526-0038	1	*Gasket, Mounting - Oil Pan -		526-0286	1	Spec J and K
12	800-0047	1	Begin Spec M		800-0064	4	Begin Spec M
13	856-0010	1	*Pan, Base - Oil - Begin	27	800-00S1	4	Engine End
14	402-0435	1	Spec M		800-0064	4	Generator End (Left Side)
	402-0477	1	*Screw, Cap - Hex Washer Head		800-0064	4	Generator End (Right Side)
	402-0480	1	(1/4-20 x 5/8") - Begin	28	850-0050	4	*Washer, Flat (1")
	402-0480	1	Spec M	29	337-0049	1	Begin Spec M
15	402-0480	1	#Washer, Flat		337-2055	1	Generator End (Left Side)
	402-0283	2	Generator End, RH (5/8")	30	815-0350	1	Generator End (Right Side)
16	402-0283	2	Screw, Cap - Hex Head	31	122-0345	1	Screw, Cap - Hex Head
	402-0284	1	(3/8-16 x 5/8") Begin Spec M	32	403-1219	1	Spec J and K
	402-0283	1	Washer, Lock - EIT (3/8")		403-1356	1	(3/8-16 x 1-1/4")
	402-0283	1	Begin Spec M		403-1484	1	Begin Spec M
	402-0283	1	Hardware Package, Mounting		403-1507	1	(3/8-16 x 4-1/2")
	402-0283	1	(Includes Parts Marked #)	33	862-0001	1	Washer, Lock - Spring (3/8")
	402-0283	1	Spec J and K		862-0001	1	Strap, Ground
	402-0283	1	Begin Spec M		862-0001	1	Spec J and K
	402-0283	1	Engine End	34	856-0008	1	Spec J and K
	402-0283	1	Generator End (Left Side)	35	816-0206	2	Washer, Lock - EIT (5/16")
	402-0283	1	Generator End (Right Side)		816-0206	1	Spec J and K
17	402-0290	3	#Cushion, Vibration - Engine		816-0206	1	Generator End (Left Side)
	402-0290	2	End		816-0206	1	Generator End (Right Side)
	402-0290	2	Spec J and K	36	526-0038	2	*Washer, Flat - Engine End
	402-0290	1	Begin Spec M		526-0038	2	(5/8")
	402-0290	1	#Cushion, Vibration	37	816-0197	1	+Bolt, Carriage - Begin Spec
	402-0290	1	Generator End		816-0197	1	(7/16-14 x 1-1/4")
	402-0290	1	Generator End	38	856-0016	1	+Washer, Lock - EIT - Begin
	402-0290	1	Spec J and K		856-0016	1	Spec M (5/8)
	402-0290	1	Begin Spec M	39	862-0004	1	+Nut, Hex (7/16-14) - Begin
	402-0290	1	Engine End		862-0004	1	Spec M
	402-0290	1	Generator End (Left Side)	40	856-0012	1	+Washer, Lock - EIT (7/16")
	402-0290	1	Generator End (Right Side)		856-0012	1	Begin Spec M
18	402-0282	3	#Snubber	41	850-0055	1	+Washer, Lock (7/16")
	402-0282	2	Spec J and K		850-0055	1	Begin Spec M
	402-0282	2	Begin Spec M		850-0055	1	Begin Spec M
	402-0282	1	Engine End		850-0055	1	Begin Spec M
	402-0282	1	Generator End (Left Side)		850-0055	1	Begin Spec M
	402-0282	1	Generator End (Right Side)		850-0055	1	Begin Spec M
19	800-0082	3	*Screw, Cap - Hex Head		850-0055	1	Begin Spec M
	800-0082	3	(7/16-14 x 3-3/4")		850-0055	1	Begin Spec M
20	526-0195	3	#Washer, Flat (7/16")		850-0055	1	Begin Spec M
	526-0195	3	Spec J and K		850-0055	1	Begin Spec M
21	862-0004	3	#Nut, Hex (7/16-14)		850-0055	1	Begin Spec M
	862-0004	2	Spec J and K		850-0055	1	Begin Spec M
	862-0004	2	Begin Spec M		850-0055	1	Begin Spec M
	862-0004	2	Engine End		850-0055	1	Begin Spec M
	862-0004	1	Generator End (Left Side)		850-0055	1	Begin Spec M
	862-0004	1	Generator End (Right Side)		850-0055	1	Begin Spec M

* - Parts Included in Oil Base

- Parts Included in Hardware Mounting Package

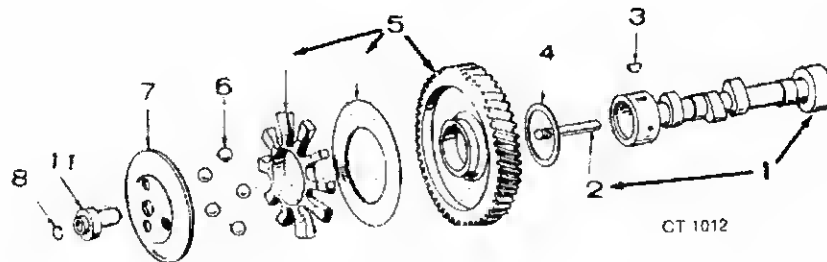
+ - Use With Ground Strap

Crankshaft and Flywheel



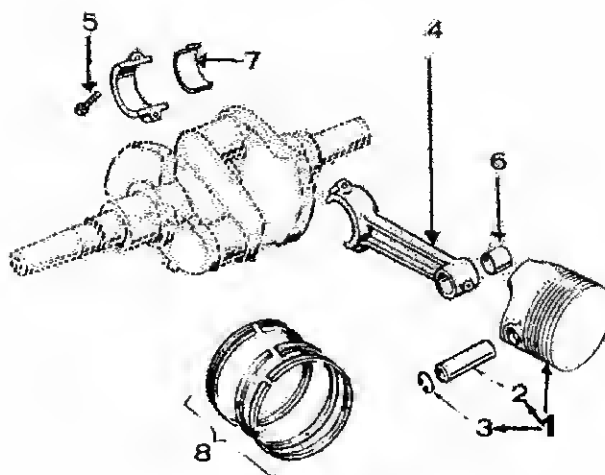
REF NO	PART NO	QTY USED	PART DESCRIPTION	REF NO	PART NO	QTY USED	PART DESCRIPTION
1	104-0170	1	Screw, Cap - Hex Head (Special)	6	104-0043	1	Washer, Gear (Special)
2	850-0055	1	Washer, Lock - Spring. (7/16")	7	104-0032	1	Gear, Crankshaft
3	526-0262	1	Washer, Flat (7/16")	8	515-0263	1	Key Kit
4	134-4245	1	Flywheel	9	515-0001	1	Key, Woodruff
5	518-0014	1	Ring, Retaining	10	104-1314	1	Crankshaft (Includes Ke

Camshaft



REF NO	PART NO	QTY USED	PART DESCRIPTION	REF NO	PART NO	QTY USED	PART DESCRIPTION
1	105-0638	1	Camshaft	6	510-0015	10	Ball, Fly - Governor
2	150-0075	1	Pin, Camshaft	7	150-1520	1	Cup, Governor
3	515-0001	1	Key, Gear - Camshaft	8	150-0078	1	Ring, Retaining
4	105-0541	1	Washer, Thrust	11	150-1519	1	Hub, Cup - Governor
5	105-0332	1	Gear, Camshaft (Includes Spacer and Plate)				

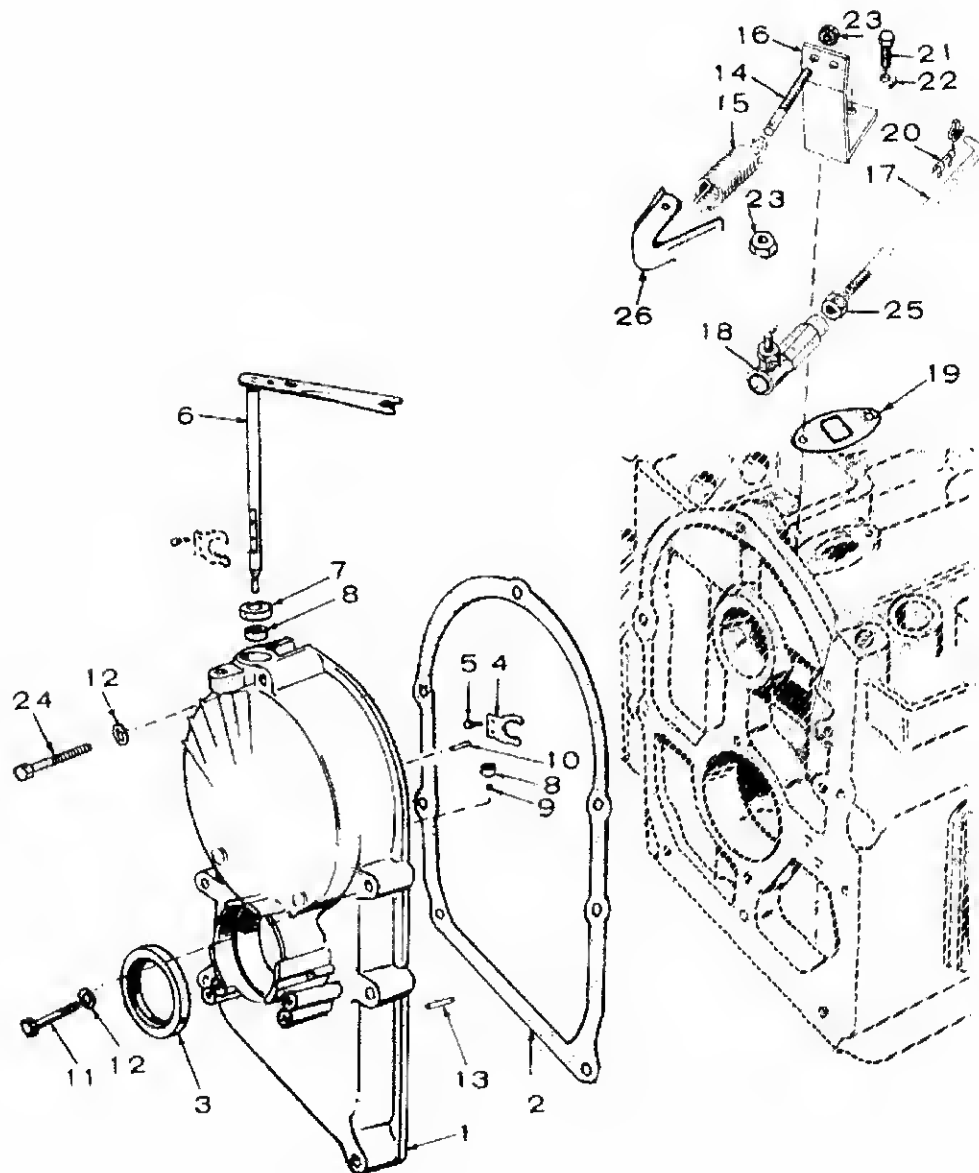
Piston and Rod



CT1013

REF NO	PART NO	QTY USED	PART DESCRIPTION	REF NO	PART NO	QTY USED	PART DESCRIPTION
1			Piston and Pin (Includes Retaining Rings) Spec J through N	7			Bearing, Half - Connec Rod
	112-0180	2	Standard		114-0188	4	Standard
	112-0180-05	2	.005" Oversize		114-0188-02	4	.002" Undersize
	112-0180-10	2	.010" Oversize		114-0188-10	4	.010" Undersize
	112-0180-20	2	.020" Oversize		114-0188-20	4	.020" Undersize
	112-0180-30	2	.030" Oversize		114-0188-30	4	.030" Undersize
	112-0180-40	2	.040" Oversize	8			Ring Set, Piston
			Begin Spec P		113-016S	2	Spec J through N
	112-0228	2	Standard		113-016S-05	2	Standard
	112-0228-05	2	.005" Oversize		113-016S-10	2	.005" Oversize
	112-0228-10	2	.010" Oversize		113-016S-20	2	.010" Oversize
	112-0228-20	2	.020" Oversize		113-016S-30	2	.020" Oversize
	112-0228-30	2	.030" Oversize		113-016S-40	2	.030" Oversize
	112-0228-40	2	.040" Oversize				.040" Oversize
2	112-0112	2	Pin, Piston		113-0203	2	Begin Spec P
3	518-0294	4	Ring, Retaining - Piston Pin		113-0203-0S	2	Standard
4	114-0203	2	Rod, Connecting		113-0203-10	2	.005" Oversize
5	805-0010	4	Bolt, Place (5/16-24 x 1-1/4")		113-0203-20	2	.010" Oversize
6	114-0036	2	Bushing, Pin - Piston		113-0203-30	2	.020" Oversize
					113-0203-40	2	.030" Oversize
							.040" Oversize

Gearcase and Governor

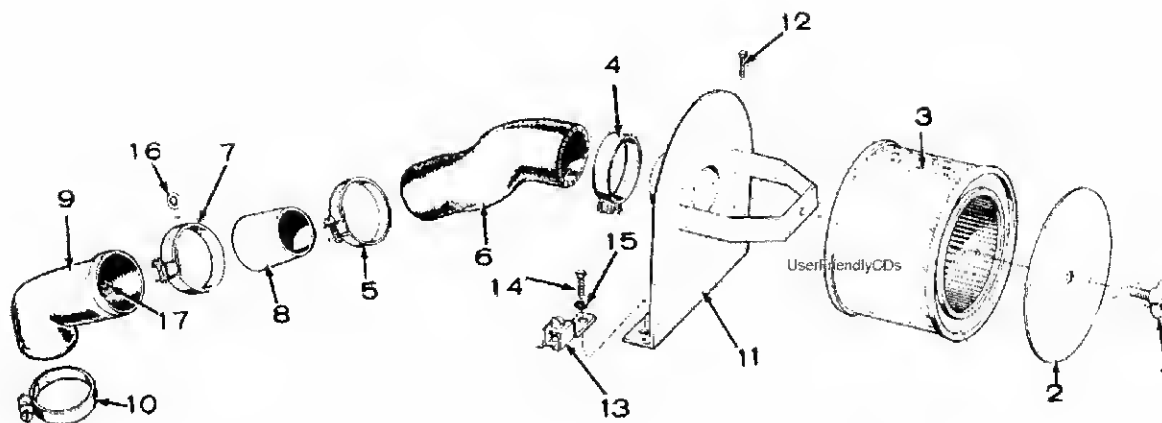


Gearcase and Governor

REF NO	PART NO	QTY USED	PART DESCRIPTION	REF NO	PART NO	QTY USED	PART DESCRIPTION
1	103-0667	1	Cover Gear (Includes Parts Marked *)	16	150-1577	1	Bracket, Mounting - Gover
2	103-0810	1	Gasket, Mounting - Gearcase	17			Rod, Governor Arm to Carburetor
3	509-0040	1	*Seal, Oil		150-1478	1	Spec J
4	150-1187	1	*Yoke, Governor		150-0629	1	Begin Spec K
5	815-0046	2	*Screw, Machine - Pan Head (#8-32 x 3/8")	18	150-0639	1	Joint, Ball
6	150-1542	1	*Arm and Shaft, Governor	19	149-0003	1	Gasket, Mounting - Govern
7	509-0008	1	*Seal, Oil				Bracket
8	510-0013	2	*Bearing, Needle	20	518-0004	1	Clip, Retaining - Rod End
9	510-0014	1	*Bearing, Ball - Governor Shaft	21	800-0004	2	Screw, Cap - Hex Head Governor Bracket Mounti
10	516-0130	1	*Pin, Stop - Governor Cup				(1/4-20 x 5/8" Long)
11	800-0032	4	Screw, Cap - Hex Head Gearcase Mounting (5/16-18 x 1-3/4")	22	526-0063	2	Washer, Flat (Copper) Governor Bracket Mounti
12	526-0065	6	Washer, Flat (Copper) Gearcase Mounting (5/16")	23	870-0131	1	Nut, Self-Locking (1/4-20)
13	516-0141	2	Pin, Alignment - Gearcase	24	800-0034	1	Screw, Cap - Hex Head Gearcase Mounting (5/16 2-1/4")
14			Stud, Adjustment - 5speed	25	870-0053	1	Nut, Hex (#10-32)
	150-0796	1	Spec J	26	150-067B	1	*Clip, Sensitivity
	150-0096	1	Begin Spec K				
15			Spring, Governor				
	150-0098	1	Spec J				
	150-1612	1	Begin Spec K				

* - Parts Included in Gearcase.

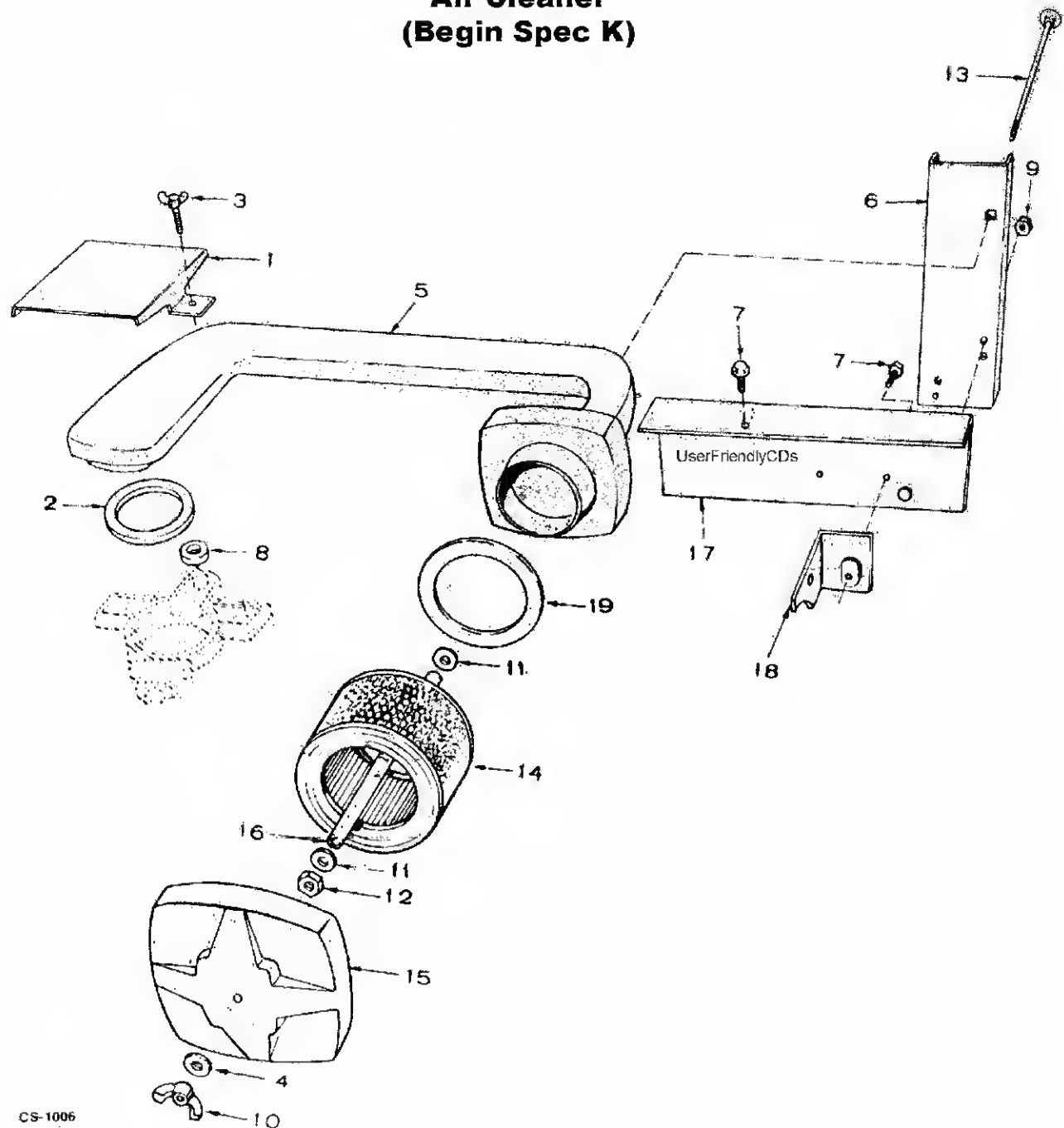
Air Cleaner (Spec J Only)



M1188

REF NO.	PART NO.	QTY USED	PART DESCRIPTION	REF NO.	PART NO.	QTY USED	PART DESCRIPTION
1	518-0056	1	Screw, Wing (#10-32 x 1/2")	11	140-1173	1	Bracket, Cleaner - Air
2	140-1153	1	Cover, Cleaner - Air	12	821-0009	1	Screw, Self Locking - Hex Head (1/4-20 x 3/8")
3	140-0495	1	Cartridge, Cleaner - Air	13	332-0142	1	Terminal, Lug - Ground
4	503-0004	1	Clamp, Hose - Air Cleaner	14	821-0010	1	Screw, Self Locking - Hex Head (1/4-20 x 1/2")
5	503-0311	1	Clamp, Hose - Air Cleaner	15	856-0006	1	Washer, Lock - External/Internal Tooth (1/4")
6	503-0802	1	Hose, Cleaner - Air	16	851-0011	1	Washer, Lock - Internal (1, 1/4")
7	503-0274	1	Clamp, Hose - Sleeve to Adapter Mounting	17	123-0733	1	Adapter, Tube - Breather H
8	140-1240	1	Sleeve Hose - Air Cleaner				
9	145-0504	1	Adapter, Inlet - Carburetor Air				
10	503-0107	1	Clamp, Mounting - Air Intake Adapter				

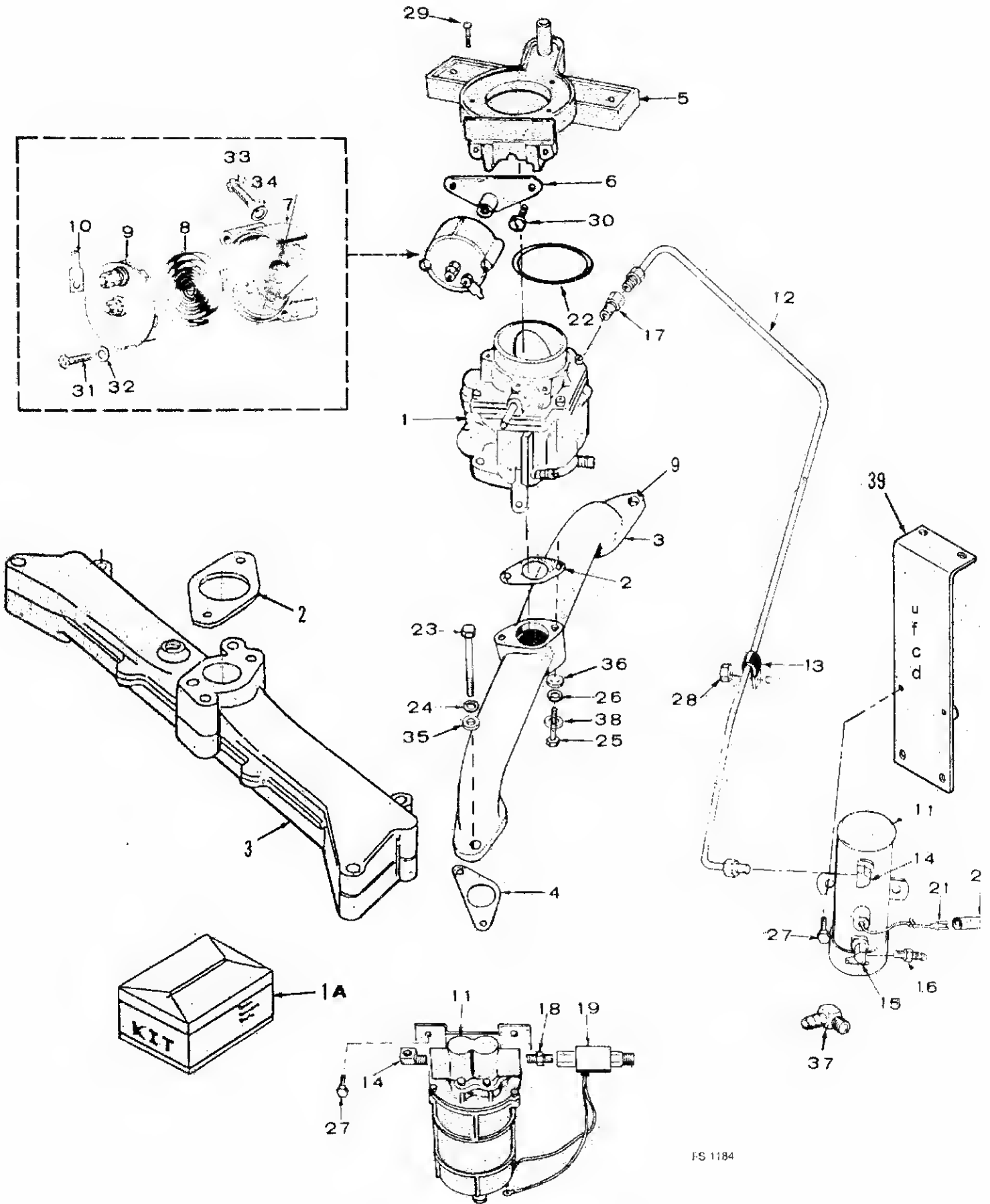
Air Cleaner (Begin Spec K)



CS-1006

REF NO	PART NO	QTY USED	PART DESCRIPTION	REF NO	PART NO	QTY USED	PART DESCRIPTION
1	140-1520	1	Clamp, Duct - Air	10	865-0019	1	Nut, Wing (1/4-20)
2	140-1502	1	Seal, Air Duct to Adapter	11	526-0158	2	Washer, Flat
3	518-0390	2	Screw, Wing (1/4-20 x 3/4")	12	870-0212	1	Nut, Hex - Locking (1/4-20)
4	526-0021	1	Washer, Flat (1/4")	13	816-0070	1	Bolt, Carriage (1/4-20 x 6-1/2")
5	140-1503	1	Duct, Cleaner - Air	14	140-0495	1	Element, Cleaner - Air
6	140-1531	1	Bracket, Support - Air Duct	15	140-1504	1	Cover, Cleaner - Air
7	821-0009	6	Screw, Cap - Hex Head Locking (1/4-20 x 3/8")	16	140-1522	1	Spacer, Intake - Air
8	140-1521	1	Seal, Air Duct to Breather Port	17	140-1529	1	Bracket, Duct - Air Intake
9	870-0212	2	Nut, Hex - Locking (1/4-20)	18	140-1528	1	Brace, Duct - Air Intake
				19	140-1533	2	Seal, Element - Air Clear

Fuel System (Gasoline)



FS 1184

Fuel System (Gasoline)

REF NO	PART NO	QTY USED	PART DESCRIPTION	REF NO	PART NO	QTY USED	PART DESCRIPTION
1			Carburetor, Gasoline (Includes Mounting Gasket)	19	307-1457	1	Valve, Solenoid - Spec
	146-0307	1	* Spec J	20	332-1506	1	Connector, Lead - Fuel
	146-0308	1	@ Spec K Through Spec P				Begin Spec K
	146-0419	1	# Spec P - Begin 1985	21	332-0529	1	Terminal, Lead - Fuel P
1A			Kits		332-1993	1	Begin Spec K
			*@ Spec J through P 1984)	22	509-0145	1	Seal, O-Ring - Begin Sp
	146-0290	1	Repair	23			Screw, Cap - Hex Head
	146-0265	1	Choke Shaft		800-0538	4	Spec J (3/8-16 x 1-1/
	146-0220	1	Gasket		800-0058	4	Begin Spec K (3/8-16
	146-0289	1	Valve and Seat	24	800-0050	4	Washer, Lock - Spring (
			# Spec P 1985	25			Screw Cap - Hex Head
	146-0356	1	Repair		800-0036	2	Spec J (5/16-18 x 2-3
	146-0417	1	Choke Shaft		800-0035	2	Begin Spec K (5/16-18
	146-0326	1	Gasket				2-1/2")
	146-0329	1	Valve and Seat	26	850-0045	2	Washer, Lock - Spring (
2	154-0733	1	Gasket, Mounting - Carburetor	27			Screw, Cap - Hex Washer
3			Manifold, Intake		821-0009	2	Spec J and Spec R
	154-1861	1	Spec J				(1/4-20 x 3/8")
	154-2292	1	Begin Spec K		821-0008	2	Begin Spec K (1/4-20
4	154-2219	2	Gasket, Mounting - Intake	28	862-0015	1	Nut, Hex (5/16-18)
			Manifold	29	804-0017	3	Screw, Cap - Socket Hea
5	140-1492	1	Adapter, Duct - Air - Begin				(#10-32 x 1/2")
			Spec K	30	815-0359	2	Screw, Tapping - Hex wi
6			Adapter, Choke				ET (#10-32 x 7/8")
	153-0489	1	Spec J	31	815-0285	2	Screw Machine - Round
	153-0499	1	Begin Spec K				with ET (#8-32 x 5/16"
7	153-0058	1	Housing, Choke	32	526-0062	2	Washer, Flat - Brass (#
8	153-0017	1	Element, Choke - Bi-Metal	33	815-0110	1	Screw, Machine - Fillis
9	153-0114	1	Element & Cover, Choke				Head (#10-32 x 7/8")
10	332-0527	1	Terminal, Lug	34	850-0030	1	Washer, Lock - Spring (
11	149-1828	1	Pump, Fuel - Electric	35	526-0030	4	Washer, Flat (3/8")
12			Line, Fuel Pump to Carburetor	36	526-0022	1	Washer, Flat (5/16")
	149-1417	1	Spec J	37	502-0313	1	Elbow, Adapter (90°) -
	149-1531	1	Begin Spec K				Begin Spec M
	149-2211	1	Begin Spec R	38	526-0115	2	Washer, Flat (5/16")
13	518-0350	1	Clamp, Loop - Fuel Line	39	149-2203	1	Bracket, Fuel Pump - Be
			Insulated				Spec R
14	502-0002	1	Elbow, Male - Inverted				
15			Elbow, Street - 90°				
	502-0020	1	Begin Spec K				
	502-0313	1	Begin Spec R				
16	502-0395	1	Connector, Hose - Spec K				
17	502-0003	1	Connector, Male - Inverted				
18	502-0082	1	Nipple, Pipe - Spec J Only				

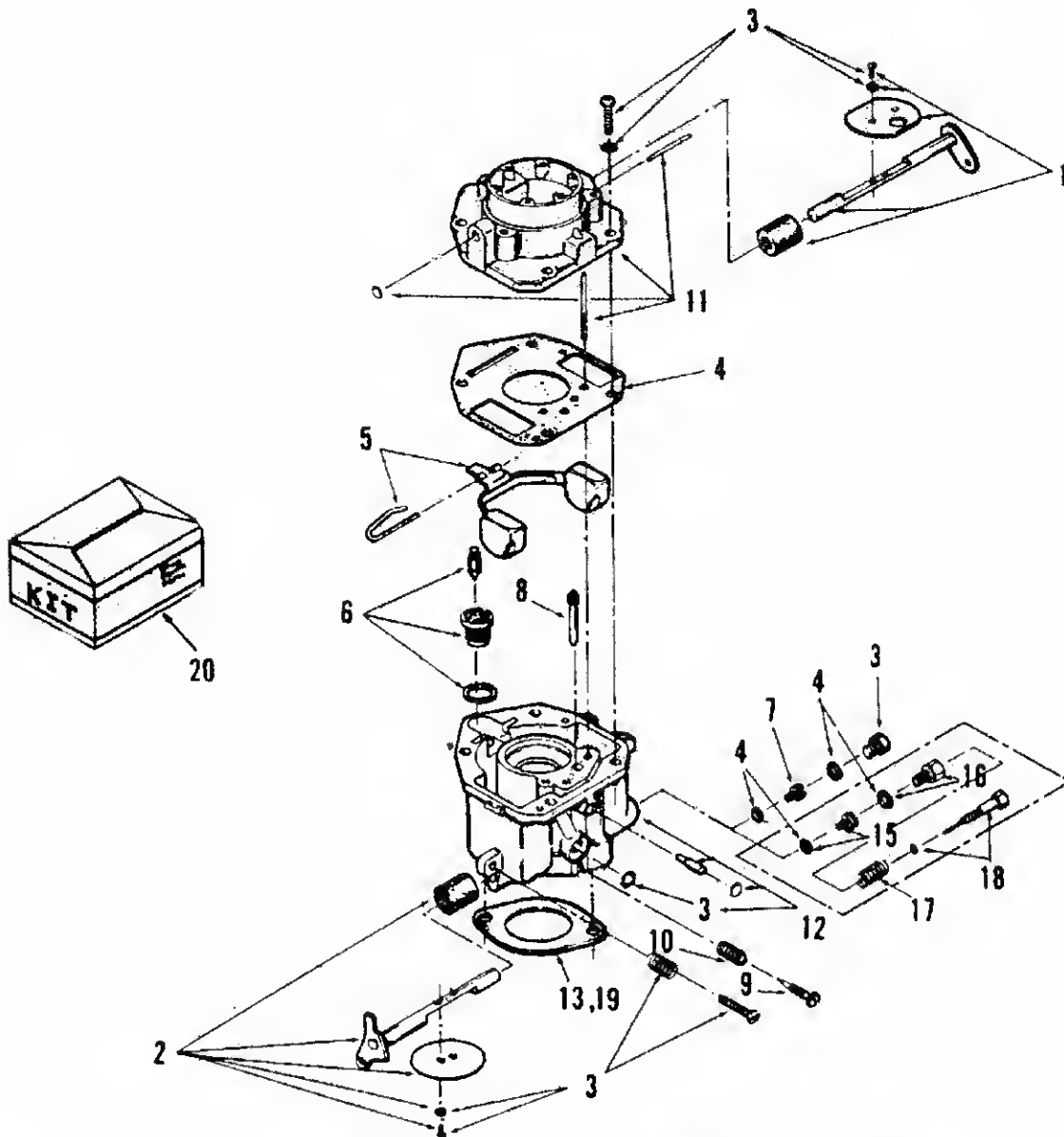
NOTE: Identify Carburetors and Kits as follow

* 146-0307 Manufactured by Walbro, has LUA-3 on base

@ 146-0308 Manufactured by Walbro, has LUA-7 on base

146-0419 Made in Japan, has 146-0410 on Bo

Carburetor Components (Gasoline) Nikki

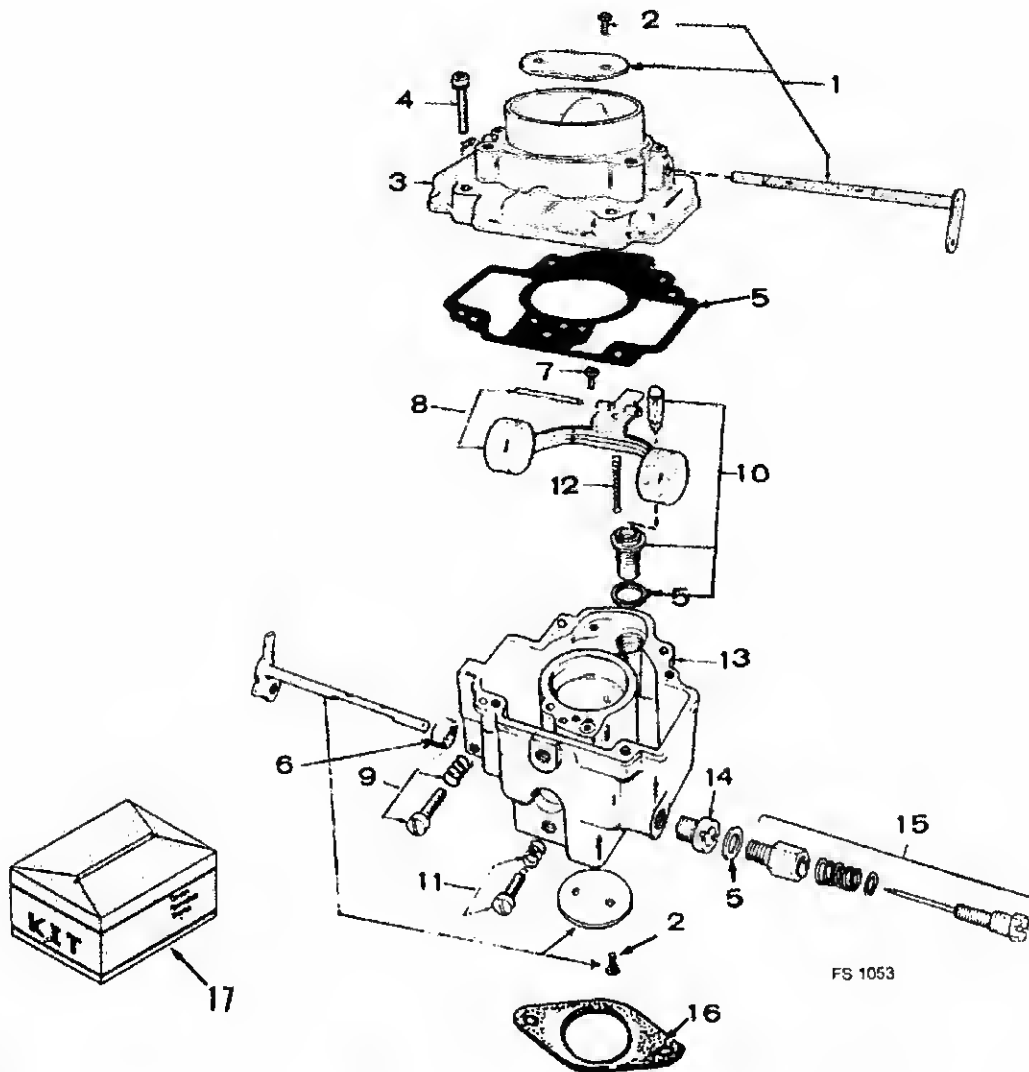


FS-1446

REF NO	PART NO	QTY USED	PART DESCRIPTION	REF NO	PART NO	QTY USED	PART DESCRIPTION
	146-0419	1	Carburetor, Complete (Includes Mounting Gasket)	11		1	Intake, Air (Not Sold Separately)
1	146-0417	1	Kit, Shaft - Choke	12		1	Body (Not Sold Separately)
2	146-0418	1	Kit, Shaft - Throttle	13	154-0733	2	*Gasket, Mounting - Carbur
3	146-0322	1	*Kit, Screw and Plug	15	146-0343	1	Jet, Power (Includes Gask
4	146-0326	1	*Kit, Gasket	16	146-0340	1	Retainer, Needle - Power
5	146-0325	1	Kit, Float				(Includes Gasket)
6	146-0329	1	*Kit, Valve and Seat	17	146-0341	1	Spring, Needle - Power
7	146-0343	1	Jet, Power	18	146-0342	1	Needle, Power - Complete
8	146-0420	1	Jet, Idle	19	14S-0438	1	*Gasket, Mounting - Carbur
9	146-0335	1	*Needle, Adjusting - Idle	20	146-0356	1	Kit, Repair (Includes Par
10	146-0331	1	*Spring, Needle - Idle Adjusting				Marked *)

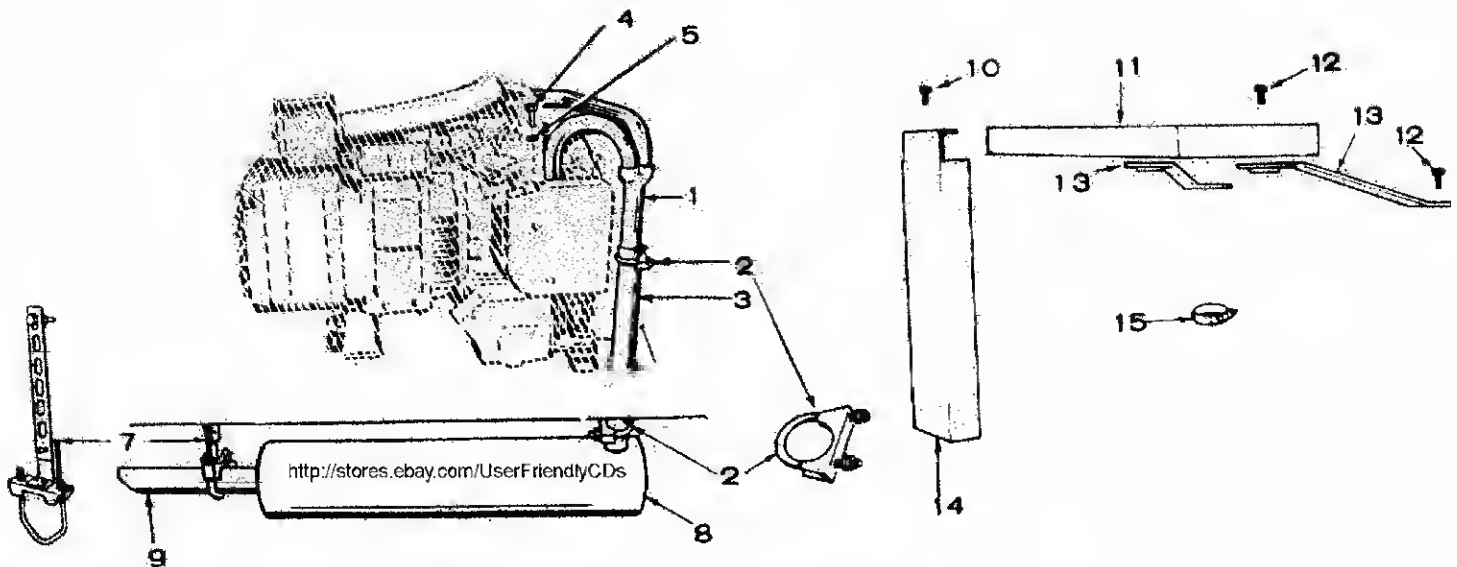
* - Parts Included in 146-0356 Repair Kit

Carburetor Components (Adjustable Main Jet - Gasoline)



REF NO.	PART NO.	QTY USED	PART DESCRIPTION	REF NO.	PART NO.	QTY USED	PART DESCRIPTION
			Carburetor, Complete (Includes Mounting Gasket)	7	146-0222	1	Screw, Pin - Lever
	146-0307	1	Spec J	8	146-0262	1	Kit, Float
	146-0308	1	Begin Spec K	9	146-0261	1	Kit, Screw - Idle Speed Adjusting
1	146-0264	1	Kit, Shaft - Choke Spec J	10	146-0289	1	Kit, Valve and Seat
	146-0265	1	Begin Spec K	11	146-0209	1	Kit, Needle - Idle
2	146-0142	4	Screw, Mounting - Valve	12	146-0208	1	Spring, Buoyancy
3		1	Intake, Air (Not Sold Separately)	13		1	Body (Not Sold Separately)
4	146-0247	4	Screw, Body to Intake	14	146-0238	1	Spec J
5	146-0220	1	Kit, Gasket		146-0243	1	Begin Spec K
6			Kit, Shaft - Throttle	15	146-0248	1	Kit, Needle - Power
	146-0268	1	Spec J	16	154-0733	1	Gasket, Mounting - Carbur
	146-0267	1	Begin Spec K	17	146-0290	1	Kit, Repair

Exhaust System (Spec J)

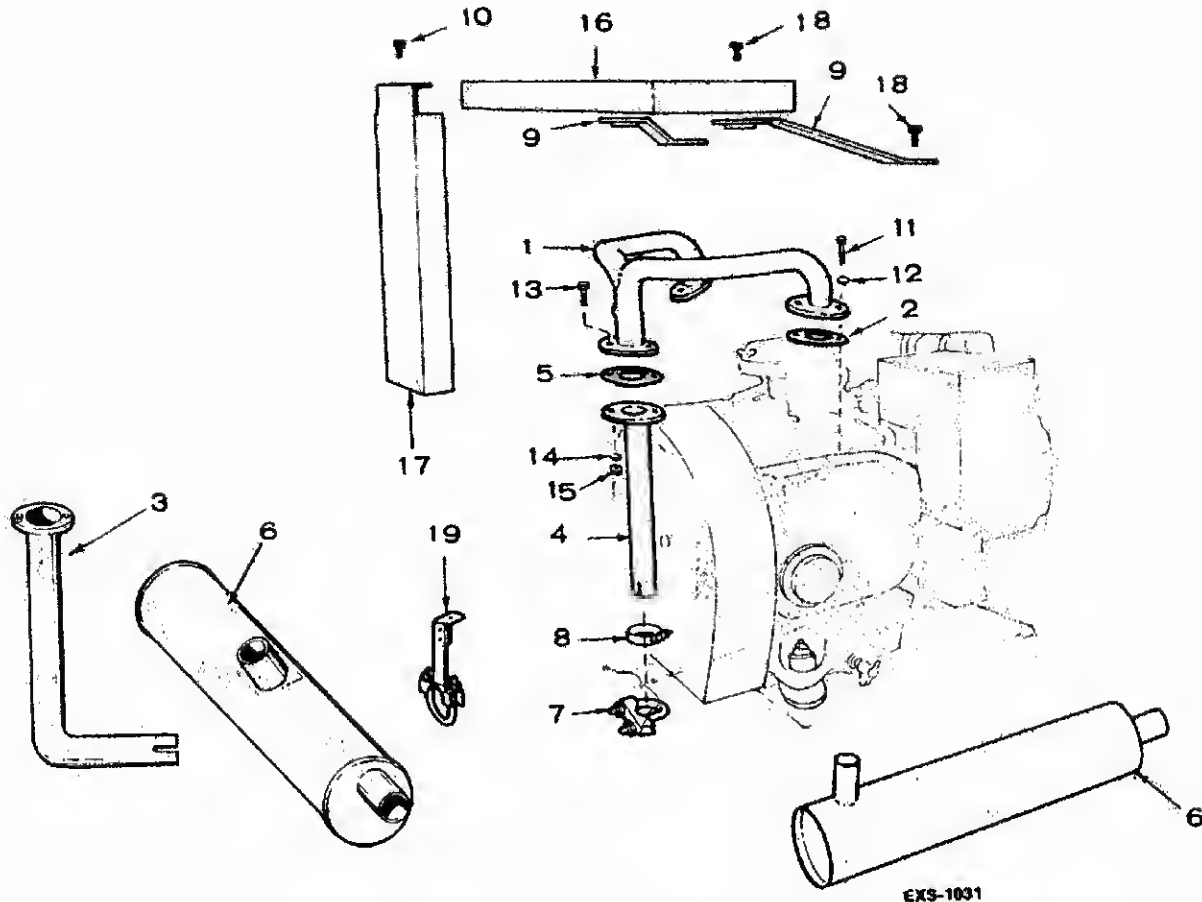


REF NO	PART NO	QTY USED	PART DESCRIPTION
1	154-1864	1	Manifold, Exhaust
2	155-1239	2	Clamp, Muffler - Optional
3	154-1578	1	Tube, Exhaust - Optional
4	800-0512	4	Screw, Cap - Hex Head (5/16-18 x 1")
5	850-0045	4	Washer, Lock - Spring (5/16")
	154-2747	2	Gasket, Manifold - Exhaust (Not Shown)
7	155-1234	1	Bracket, Muffler Hanger - Optional
8	155-1222	1	Muffler, Optional
9	155-1235	1	Tube, Exhaust - Optional

REF NO	PART NO	QTY USED	PART DESCRIPTION
10	800-0034	2	*Screw, Cap - Hex Head (5/16-18 x 3/4") - Opti
11	154-1888	1	*Shield, Heat - Optional
12	821-0010	3	*Screw, Cap - Hex Head (1/4-20 x 1/2") - Optio
13	154-1887	2	*Bracket, Mounting - Haat Shield (Optional) Mounting - Optional
14	154-1915	1	*Shield, Haat - Optional
15	503-0107	1	*Clamp, Shield to Exhaust Tube - Optional

* - Parts are for UL Listed and C5A Certified S

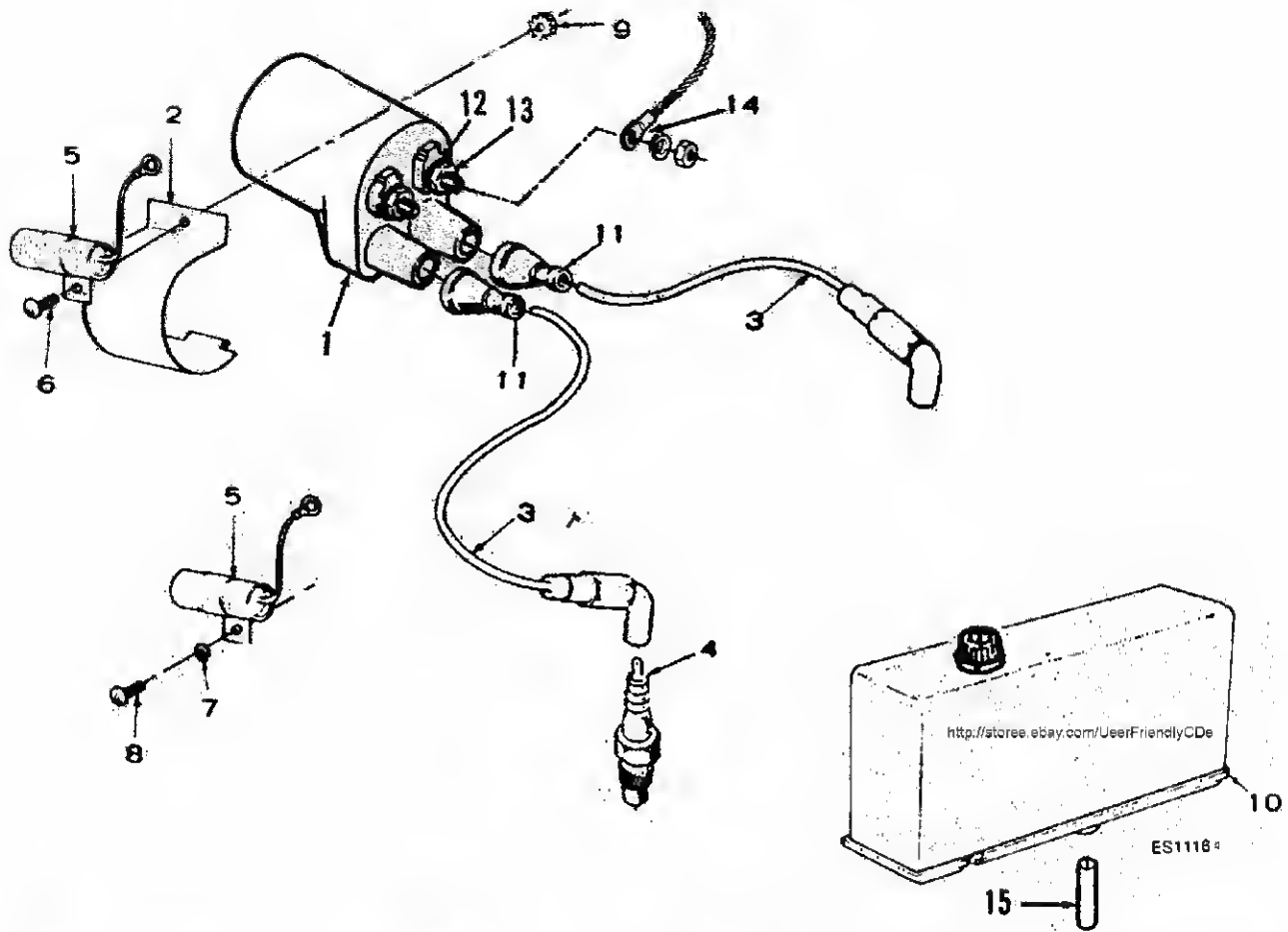
Exhaust System (Begin Spec K)



EXS-1001

REF NO.	PART NO	QTY USED	PART DESCRIPTION	REF NO	PART NO	QTY USED	PART DESCRIPTION
1	154-1967	1	Manifold, Exhaust Prior to 6/83	10	800-0034	2	Screw, Cap - Hex Head (5/16-18 x 3/4") - Optic
	154-2426	1	Begin 6/83 (Includes Heat Shield)	11	800-0512	4	Screw, Cap - Hex Head (5/16-18 x 1")
2	154-2747	2	Gasket, Mounting - Exhaust Manifold	12	850-0045	4	Washer, Lock - Spring (5/16-18 x 1-1/4") - Opt
3			Tube, Exhaust (90° Bend) - Begin Spec M	13	800-0030	2	Screw, Cap - Hex Head (5/16-18 x 1-1/4") - Opt
	154-2226	1	4" Long	14	850-0045	2	Washer, Lock - Spring (5/16-18 x 1-1/4") - Opt
	154-2554	1	18" Long	15	862-0015	2	Nut, Hex (5/16-18) - Opt
4			Tube, Exhaust - Optional	16			Shield, Heat (Manifold) - Optional
	154-1917	1	Spec K		154-1972	1	Prior to 6/83
	154-2167	1	Begin Spec M		154-2419	1	Begin 7/83
5	154-2542	1	Gasket, Exhaust Tube - Optional	17			Shield, Heat - Exhaust Tube - Optional
6			Muffler, Optional		154-1980	1	Spec K
	155-1258	1	End Inlet		154-2146	1	Begin Spec M
	155-1910	1	Center Inlet	18	821-0010	3	Screw, Cap - Hex Head (1/4-20 x 1/2") - Optic
7	155-1239	1	Clamp, Muffler - Optional	19	155-1234	1	Bracket, Hanger - Muffler (Optional)
8	503-0107	1	Clamp, Shield to Exhaust Tube - Optional				
9			Bracket, Mounting - Heat Shield (Optional)				
	154-1968	1	Right Side				
	154-1969	1	Left Side				

Ignition System

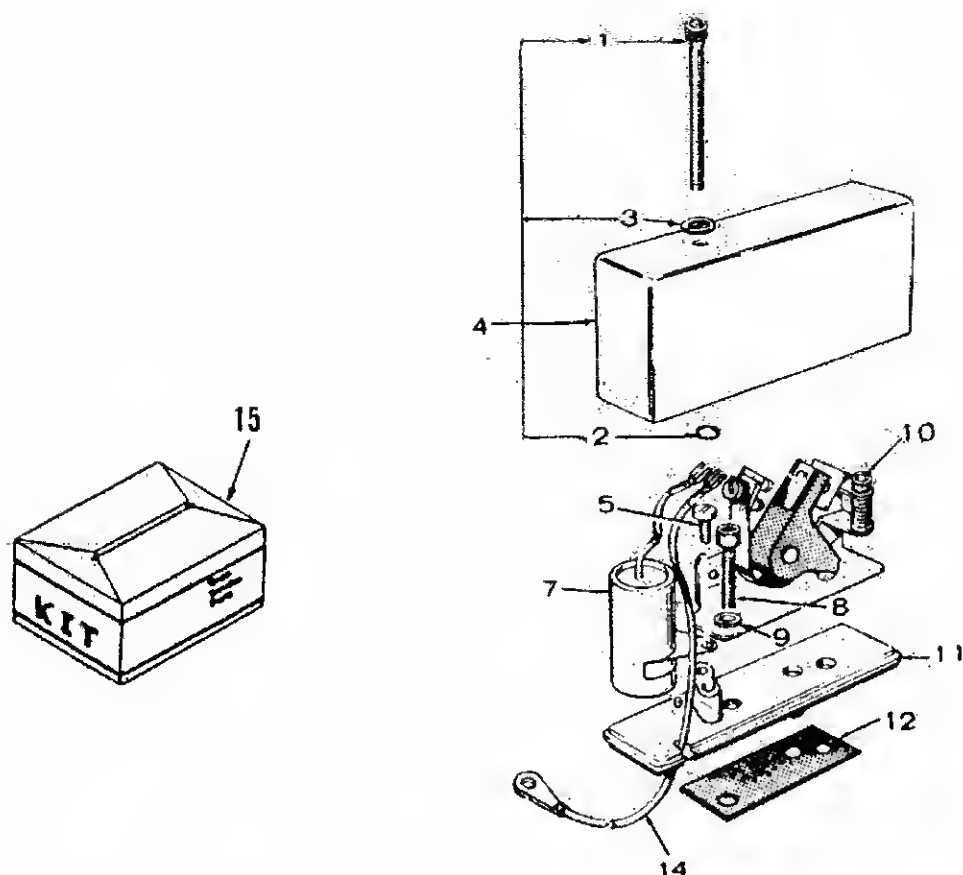


REF NO	PART NO	QTY USED	PART DESCRIPTION
1	166-0772	1	Coil, Ignition
2	166-0588	1	Clamp, Mounting - Ignition Coil
3	167-1602	2	Lead, Plug - Spark
4			Plug, Spark
	167-0247	2	Spec J
	167-0292	2	Spec K through Spec N
	167-0263	2	Begin Spec P
5	312-0017	1	Condenser, Ignition (.5 MFD)
6	821-0004	1	Screw, Cap - Hex Washer Head (#10-32 x 5/16")
7	856-0003	1	Washer, Lock - External, Internal Tooth (Condenser Mounting (#10) Spec J)
8	815-0350	1	Screw, Tapping - Hex Washer Head - Condenser Mounting (#10-32 x 3/8") - Spec J

REF NO	PART NO	QTY USED	PART DESCRIPTION
9	870-0131	1	Nut, Hex (#10-32) (Coil Bracket Mounting and Condenser)
10	160-1303	1	Box, Breaker - Complete (See Separate Page for Components)
11	160-0558	2	Nipple, Cable - Spark P
12	850-2005	2	*Washer, Flat (M5)
13	166-0554	2	*Nut, Hex (M5)
14	166-0702	1	Kit, Lead - Replacement (Includes Parts Marked Plunger)
15	160-1151	1	

* - Parts Included in Lead Replacement Kit.

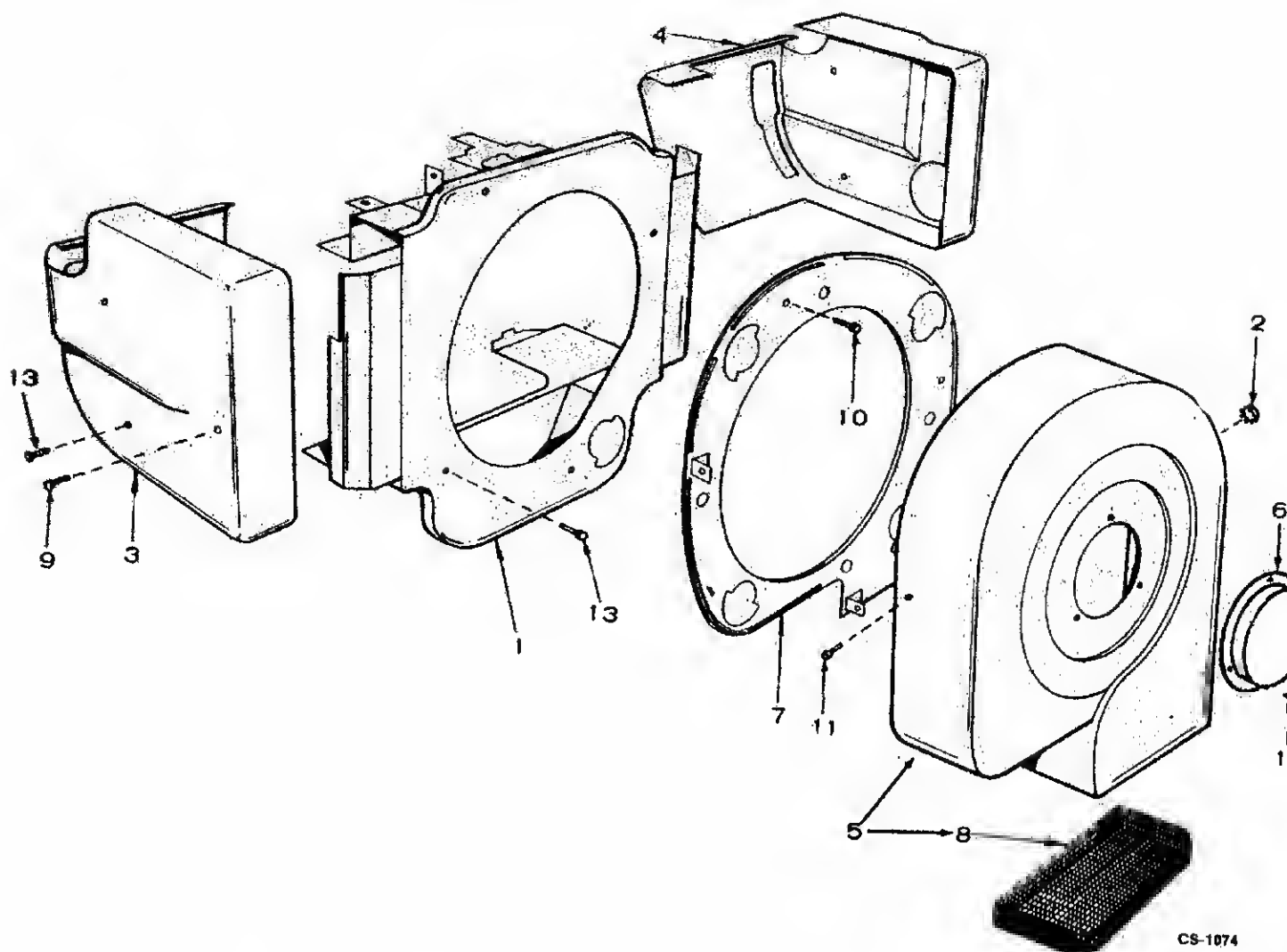
Breaker Box



REF NO	PART NO	QTY USED	PART DESCRIPTION	REF NO	PART NO	QTY USED	PART DESCRIPTION
	160-1303	1	Breaker Box (Includes Parts Marked *)	8	802-0034	2	*Screw, Cap - Socket Head (1/4-20 x 3/4")
1	802-0022	1	*Screw, Cap - Socket Head (#10-24 x 1-1/2")	9	850-0040	2	*Washer, Lock (1/4")
2	S09-0065	1	*Retainer, "O" Ring	10	160-1183	1	*Point Set, Breaker
3	526-0008	1	*Washer, Flat (#10)	11	160-1219	1	*Base, Breaker
4	160-1285	1	*Cover, Box - Breaker	12	160-1368	1	*Gasket, Box - Breaker
5	81S-0358	1	*Screw Cap - Slotted (#8-32 x 5/16")	14	166-0702	1	Lead, Breaker Box to Coil
7	312-0246	1	*Condenser	15	180-1311	1	Kit, Tune Up (Includes Pot end Condenser)

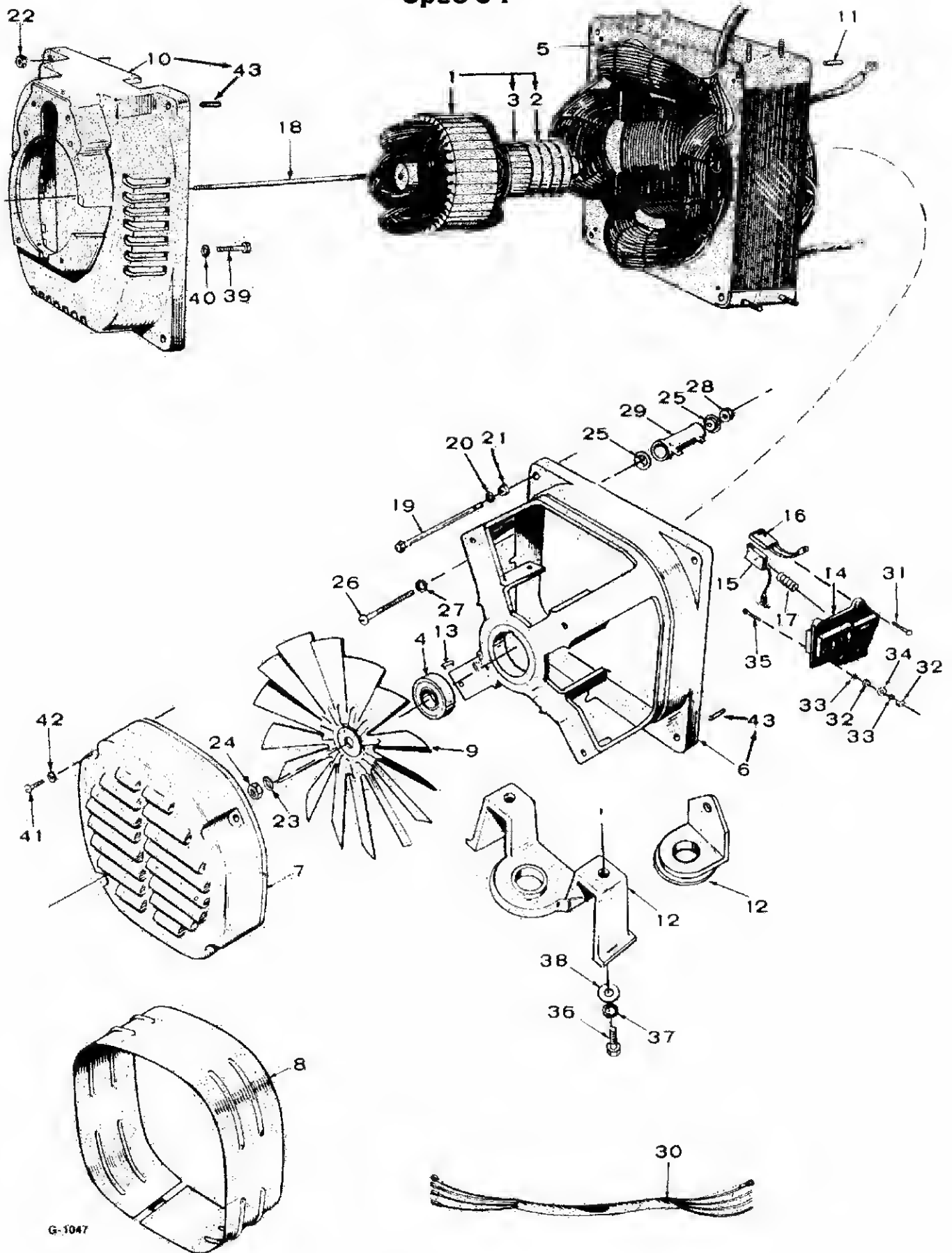
* - Parts Included in 160-1303 Breaker Box.

Air Housing



REF NO	PART NO	QTY USED	PART DESCRIPTION	REF NO	PART NO	QTY USED	PART DESCRIPTION
1	134-3312	1	Housing, Blower	8	134-2763		Guard, Scroll
	134-4095	1	Spec J through N		134-4316		Wire Mesh (Prior to 6/83)
2	S17-0021	1	Begin Spec P				All Wire (Begin 6/83)
3			Plug, Button	9	821-0010	2	Screw, Self-Locking - Hex
	134-2755	1	Housing, Air - Cylinder				Head - Cylinder Air Hous
	134-3617	1	(Left Side)	10	821-0010	4	Mounting (1/4-20 x 1/2")
4			Housing, Air - Cylinder				Screw, Self-Locking - Hex
	134-2752	1	(Right Side)	11	821-0010	5	Head - Scroll Backplate
	134-3618	1	Spec J through N				Mounting (1/4-20 x 1/2")
5	134-2761	1	Begin Spec P	12	821-0009	3	Screw, Cap - Hex Washer H
			Scroll, Air (Includes Wire				(1/4-20 x 1/2")
6	134-3119	1	Mesh Guard)				Screw, Self-Locking - Hex
7	134-2747	1	Cover, Scroll	13	815-0261	6	Washer Head - Scroll Cov
			Backplate, Scroll				Mounting (1/4-20 x 3/8")
							Screw, Self-Tapping - Hex
							Head - Cylinder Air Hous
							Mounting (1/4-20 x 7/16")

Generator Spec J-P



G-1047

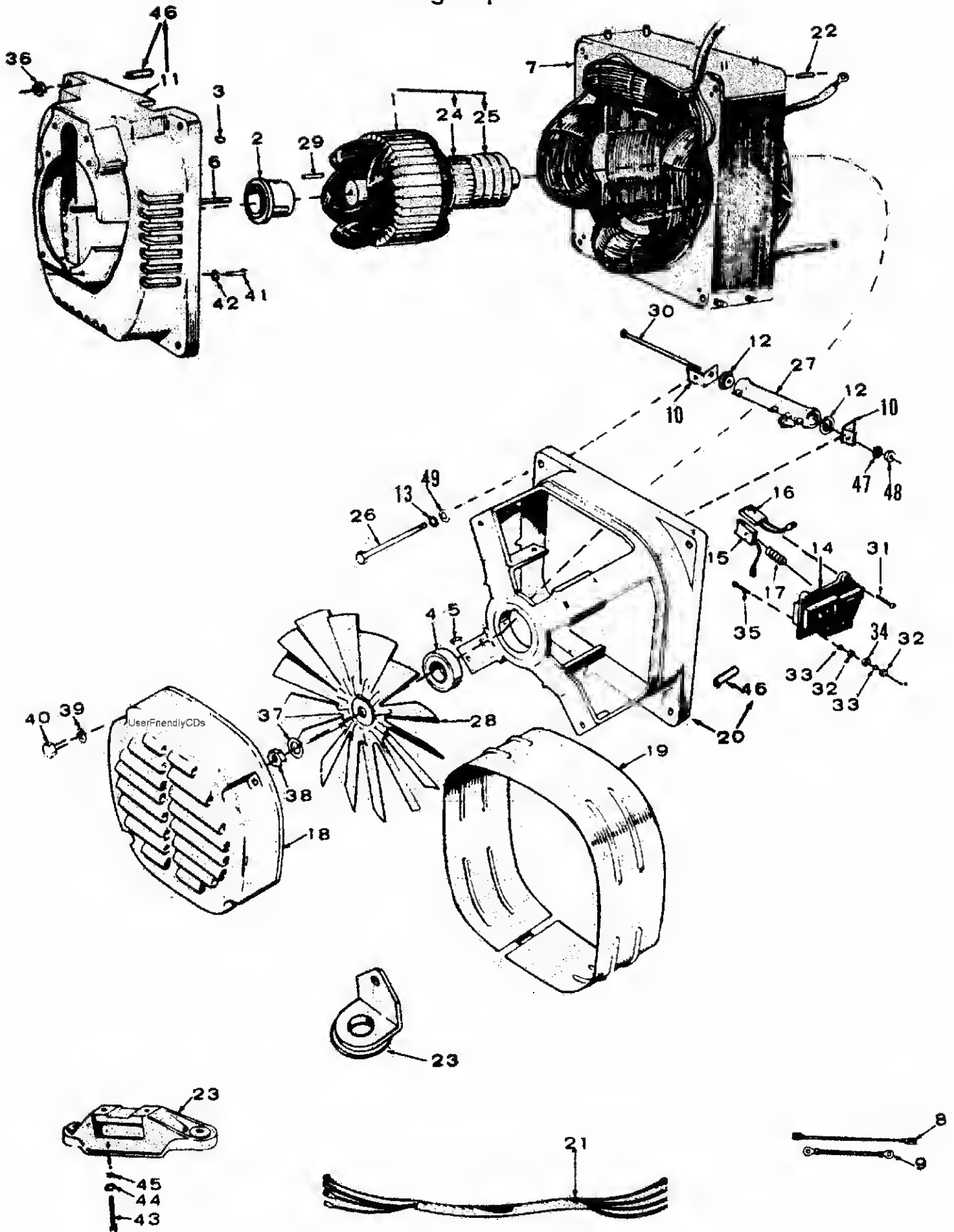
Generator Spec J-P

REF NO	PART NO	QTY USED	PART DESCRIPTION	REF NO	PART NO	QTY USED	PART DESCRIPTION
			Armature, Generator (Includes Parts Marked *)	22	862-0015	4	Nut, Hex (5/16-18)
	201-2503	1	60 Hertz	23	850-0055	1	Washer, Lock - Spring (7/
	201-2506	1	50 Hertz	24	870-0203	1	Nut, Hex (7/16-20)
	201-2508	1	Begin Spec R - 60 Hertz	25	304-0014	1	Washer, Centering (7/32 x 9/16")
			3 Phase	26	812-0092	1	Screw, Machine - Round He (#8-32 x 2-3/4")
2	204-0110	1	*Ring, Collector - Generator	27	850-0025	1	Washer, Lock - Spring (#8
3	203-0152	1	*Commutator Generator	28	860-0008	1	Nut, Hex (#8-32)
4	510-0047	1	*Bearing, Ball	29	353-0060	1	Resistor, Fixed (7.5 Ohm 25 Watt)
5	220-1816	1	Stator, Generator	30			Harness, Wiring
6	211-0364	1	Bell, End - Generator (Includes 4 Alignment Pins)		338-0948	1	Spec J
7	232-2107	1	Cover, Generator		338-1099	1	Begin Spec K
8	234-0362	1	Wrapper, Generator		338-0947	1	Begin Spec R - 3 Phase 60 Hertz
9	205-0090	1	Fan, Generator	31	815-0359	15	Screw, Tapping - Hex Head (#10-32 x 7/8" Lg)
10	231-0164	1	Adapter, Generator to Engine (Includes 4 Alignment Pins)	32	871-0010	8	†Nut, Hex - Brass (#10-32
11	516-0182	8	Pin, Straight - Headless (1/4 Dia x 3/4")	33	853-0008	8	†Washer, Lock - External
12			Support, Generator	34	526-0049	4	†Washer, Flat - Brass (#1
	232-2619	1	Spec J and K	35	815-0341	4	†Screw, Machine - Hex Head Brass (#10-32 x 1")
	402-0475	2	Begin Spec M	36	800-0051	2	Screw, Cap - Hex Head (3/8-16 x 1-1/4")
13	232-0596	1	Clip, Retaining - Bearing	37	850-0050	2	Washer, Lock - Spring (3,
14			Block, Brush (Includes Parts Marked †)	38	526-0030	2	Washer, Flat (3/8")
	212-0359	2	Bottom and Right Side Positions	39	800-0050	4	Screw, Cap - Hex Head (3/8-16 x 1-1/4")
	212-0360	2	Top and Left Side Positions	40	850-0050	4	Washer, Lock - Spring (3,
15	214-0095	4	Brush, DC	41	812-0156	2	Screw, Machine - Round He (1/4-20 x 1-1/4" Lg)
16	214-0096	8	Brush, AC	42	850-0040	2	Washer, Lock - Spring (1,
17	212-1232	12	Spring, Brush	43	516-0196	4	Pin, Alignment (1/4 Dia. 7/8")
18	520-0733	1	Stud, Plated				
19	800-0044	4	Screw, Cap - Hex Head (5/16-18 x 7-1/2")				
20	850-0045	3	Washer, Lock - Spring (5/16")				
21	526-0115	4	Washer, Flat (5/16")				

* - Parts Included in Armature.

† - Parts Included in Generator Brush Blocks.

Generator
Begin Spec R



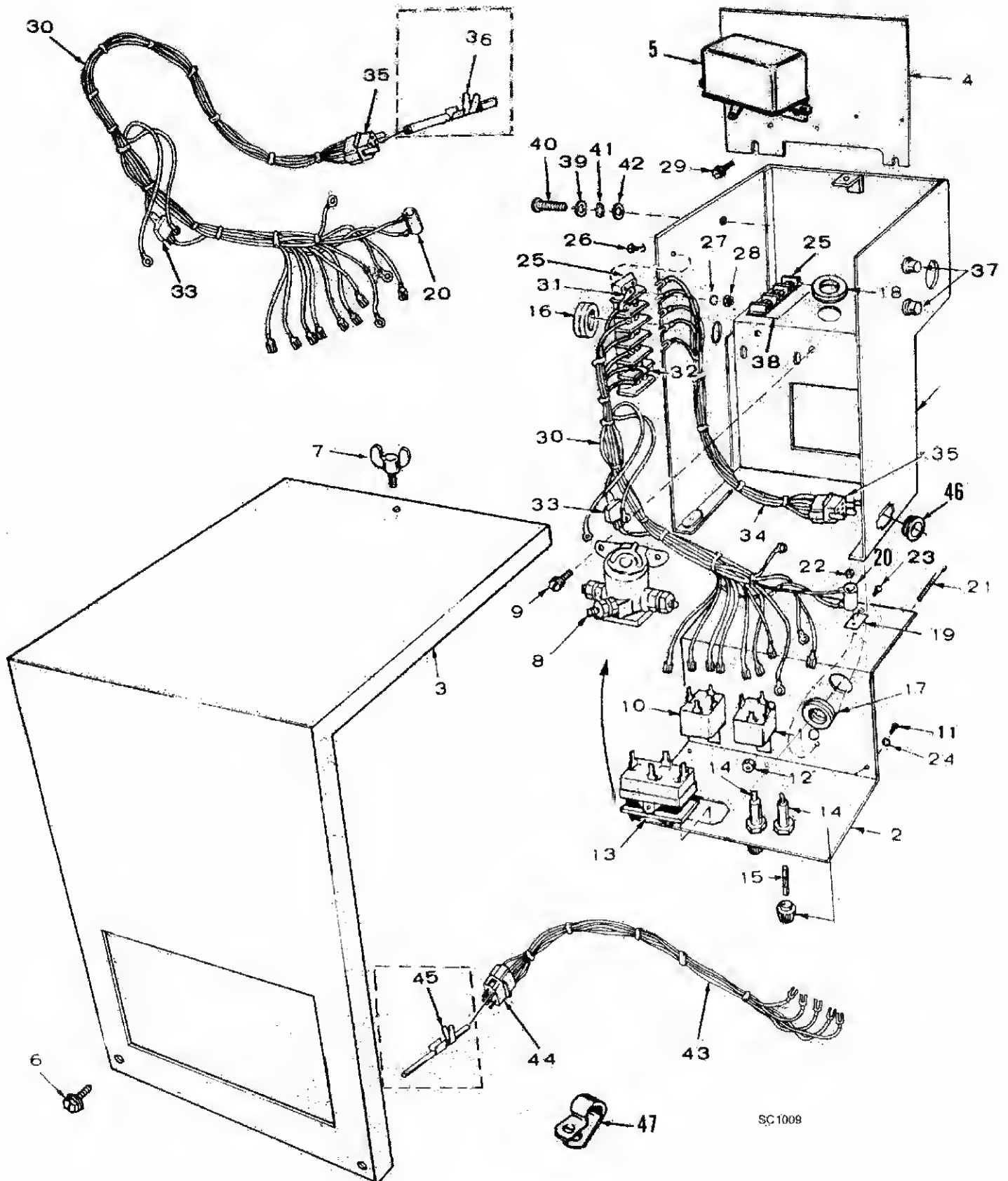
Generator Begin Spec R

REF NO	PART NO	QTY USED	PART DESCRIPTION	REF NO	PART NO	QTY USED	PART DESCRIPTION
1	201-2414	1	Armature, Generator (Includes Parte Markad *)	25	204-0110	1	*Ring, Collector
2	232-2316	1	Hub, Drive	26	800-0044	4	Screw, Cap - Hex Head (5/16-18 x 7-1/2")
3	515-0006	1	Key, Rotor to Crankshaft	27			Resistor, Fixed
4	510-0047	1	*Bearing (Ball), Rotor		353-0071	1	5 Amp Battery Charger
5	232-0596	1	Clip, Bearing Stop		353-0072	1	10 Amp Battery Charger
6	520-0733	1	Stud, Rotor Through	28	205-0090	1	Fan, Generator
7	220-1816	1	Stator, Wound	29	515-0007	1	Key, Drive Hub
8			Lead, Brush	30	812-0118	1	Screw, Machine - Round Head (#10-24 x 5")
	336-1891	4	8 Blade Type Terminals (9")	31	815-0359	15	Screw, Tapping - Hex Head (#10-32 x 7/8" Lg)
	336-1890	4	8 Blade Type and Round Type Terminal (4")	32	871-0010	8	†Nut, Hex - Brass (#10-32)
9	336-0186	3	Jumper, Ground (3-1/2")	33	853-0008	8	†Washer, Lock - External (#10)
10	304-0706	2	Bracket, Resistor Mounting	34	526-0049	4	†Washer, Flat - Brass (#10)
11	231-0164	1	Adapter, Generator to Engine (Includes 4 Alignment Pins)	35	815-0341	4	†Screw, Machine - Hex Head (#10-32 x 1")
12	304-0015	2	Washer, Centering Resistor	36	862-0015	4	Nut, Hex (5/16-18)
13	850-0045	3	Washer, Lock - Spring (5/16")	37	850-0055	1	Washer, Lock - Spring (7/16-20)
14			8 Block, Brush (Includes Parts Marked †)	38	870-0203	1	Nut, Hex (7/16-20)
	212-0352	1	Bottom	39	850-0040	2	Washer, Lock - Spring (1/4-20 x 1-1/2")
	212-0353	1	Left Side	40			Screw (1/4-20 x 1-1/2")
	212-0345	1	Right Side		815-0441	2	Hex Head, Tapping - 5 Amp Battery Charger
	212-0361	1	Top		812-0156	2	Round Head - 10 Amp Batt Charger
15	214-0095	4	Brush, Commutator	41	800-0050	4	Screw, Cap - Hex Head (3/8-16 x 1")
16	214-0096	8	Brush, Collector	42	850-0050	4	Washer, Lock - Spring (3/8-16 x 1-1/4")
17	212-1232	2	Spring, Brush	43	800-0051	2	Screw, Cap - Hex Head (3/8-16 x 1-1/4")
18	232-2107	1	Cover, Generator Fan	44	850-0050	2	Washer, Lock - Spring (3/8-16 x 1-1/4")
19	234-0362	1	Wrapper, End Bell	45	526-0030	1	Washer, Flat (3/8")
20			Bell End (Includes 4 Alignment Pins)	46	516-0196	4	Pin, Alignment (.249 Dia. 862 Lg)
	211-0364	1	5 Amp Battery Charger	47	850-0030	1	Washer, Lock - Spring (#10-24)
	211-0365	1	10 Amp Battery Charger	48	860-0011	1	Nut, Hex (#10-24)
21			Harnee, Wiring	49	526-0115	4	Washer, Flat (5/16")
	338-1709	1	5 Amp Battery Charger				
	338-1332	1	10 Amp Battery Charger				
	338-0948	1	Remote Units - Begin Spec R - 60 Hz				
22	516-0182	8	Pin Roll - Generator Frame (1/4 x 3/4")				
23	402-0475	2	Support, Generator				
24	203-0152	1	*Commutator				

* - Parts Included in Armature

† - Parts Included in Generator Brush Blocks.

Control (Begin Spec K)



SC1009

Control (Begin Spec K)

REF NO	PART NO	QTY USED	PART DESCRIPTION	REF NO	PART NO	QTY USED	PART DESCRIPTION
1	301-4446	1	Box, Control	29	821-0009	4	Screw, Cap - Hex Washer Head (1/4-20 x 3/8")
	301-4634	1	Begin Spec K	30			Harness, Wiring - Control
2	301-4442	1	Panel, Control				Prior to Serial #07833304
3			Cover, Control (Includes AC Schematic)				During Spec K (Includes Parts Marked *)
			60 Hertz	338-1084	1		Sets Without Start-Disconnect
	301-4466	1	Spec K	338-1084	1		Sets With Start-Disconnect (Also Order Quantity: 3S2-0161 Resistor)
			Prior to Serial #0783330433				Begin Serial #0783330433
	301-4543	1	Begin Serial #0783330433				During Spec K
	301-4894	1	Begin Spec M	338-1169	1		Sets Without Start-Disconnect (Includes Parts Marked †)
	301-9015	1	Begin Spec R - Code FD				Sets With Start-Disconnect (Includes Parts Marked †)
			50 Hertz	338-1265	1		Begin Spec M (Includes Parts Marked *)
	301-4545	1	Begin Spec				Begin Spec R - 60 Hertz (Includes Parts Marked †)
	301-6107	1	Begin Spec M - 1 Phase	338-1265	1		Begin Spec M (Includes Parts Marked *)
	301-6108	1	Begin Spec M - 3 Phase	338-1820	1		Begin Spec R - 60 Hertz (Includes Parts Marked †)
4	301-4441	1	Plate, Control	31	323-1088	3	Nut, Wire
5	305-0383	1	Regulator, Voltage - Begin Spec R - 60 Hz	32	332-1043	2	x+*Jumper, Block - Terminal
6	815-0350	1	Screw, Tapping - Slotted, Hex Washer Head (#10-32 x 3/8")	33	357-0030	1	x+*†Rectifier, Diode
7	518-0056	1	Screw, Wing (#10-32 x 1/2")	34	338-1078	1	Harness, Wiring (Includes Parts Marked †)
8			Relay, Solenoid - Start				Prior to Serial #07833304
	307-1498	1	Through Spec K				During Spec K
			Sets Without Start-Disconnect	35	323-0440	1	†*Housing, Pin - Connector
	307-1617	1	Sets With Start-Disconnect	36	323-0488	6	†Pin, Connector - Female
	307-1617	1	Begin Spec M	37			Breaker, Circuit
9	821-0009	2	Screw, Cap - Hex Washer Head (1/4-20 x 3/8")		320-0733	1	Spec K
10	307-2562	2+†*	Relay, Ignition (Crank Ignition and Run Ignition)				Kit, Replacement
11	815-0340	2	Screw, Machine - Round Head (#10-32 x 3/8")				(Replaces Qty. 1 50 Amp Breaker with Qty. 2 30 Amp Breakers), (Includes Parts Marked #)
12	870-0131	2	Nut, Lock - ET (#10-32)		320-0544	2	Begin Spec M
13			Switch		320-0751		#60 Hertz Sets (30 Amp)
	308-0383	1	Start-Stop - Spec K				50 Hertz Sets (25 Amp)
	308-0788	1	Ignition - Begin Spec R	38			Strip, Marker - Terminal 8
14	321-0175	2	Holder, Fuse		332-2099	1	Spec K
15			Fuse		332-2099	1	Begin Spec M
	321-0298	2	5 Amp - 250 Volt				60 Hertz Sets
	321-0146	1	10 Amp - 32 Volt		332-2288	1	50 Hertz Sets
16	508-0208	1	Bushing, Insulating - Nylon (3/4" Hole)		332-2313	1	Begin Spec R - 60 Hertz
17	331-0088	1	Bushing, Insulating	39	508-0015	1	Washer, Fibre
18	508-0191	1	Bushing, Insulating - Nylon (7/8" Hole)	40	815-0238	1	Screw, Machine - Round Head with ET (#8-32 x 7/16")
19	304-0580	1	Insulator Mounting - Resistor				Washer, Lock - ET (#8)
20			Resistor				Washer, Flat - Brass (8")
	352-0160	1	Through Spec K	41	853-0005	1	Harness, Wiring - Remote (Includes Parts Marked %)
			*† 120 Ohm, 5 Watt - Sets	42	526-0048	1	6 Inch
			Without Start-Disconnect	43			10 Foot
	352-0161	1	+ 100 Ohm, 5 Watt - Sets				30 Foot
			With Start-Disconnect		338-1082	1	%Housing, Pin - Connector
	352-0161	1	x+° Begin Spec M, R		338-1080	1	%Pin, Connector Male
21	812-0087	1	Screw, Machine - Round Head (#8-32 x 1-1/2")		338-1081	1	Grommet, Rubber - Begin Sp R - 60 Hz
22	870-0221	2	Nut, Lock (#8-32)	44	323-0400	1	Clamp, AC Leads - Begin Sp
23	821-0004	6	Screw, Cap - Hex Head (#10-32 x 5/16")	45	323-0500	5	
24	856-0003	2	Washer, Lock - EIT (#10)	46	508-0021	1	
25			Block, Terminal	47	332-1876	1	
	332-0699	1	x+* 6 Place				
	332-0254	1	4 Place				
	332-2103	1	6 Place, Begin Spec R, 60 Hz				
26			Screw, Machine - Round Head				
	812-0066	2	#6-32 x 3/4" - Begin Spec K				
	812-0065	2	#6-32 x 5/8" - Begin Spec R				
27			Washer, Lock				
	853-0003	2	ET (#6) Begin Spec K				

x - Parts Included in 338-1820 Wiring Harness
 * - Parts Included in 338-1084 Wiring Harness
 † - Parts Included in 338-1169 Wiring Harness
 † - Parts Included in 338-1265 Wiring Harness
 % - Parts Included in 338-1078 Wiring Harness
 # - Parts Included in 320-0733 Circuit Breaker Kit
 † - Parts Included in 338-1080 338-1081 338-108

This diagram shows an exploded view of a mechanical assembly. The main component is a rectangular block (1) with a vertical flange (2) on one side. Various parts are shown being assembled onto it, including a top cover (4) with a gasket (5), a front plate (13) with a handle (3), and a base plate (17). A cable (18) is connected to a terminal block (11, 12). Other parts include a pin (6), a screw (8), a nut (10), a washer (16), and a small component (19). The diagram is labeled with numbers 1 through 20.

<http://stores.ebay.com/UserFriendlyCDs>

Labels, Paint, Thread Sealant and Gasket Kits

REF NO	PART NO	QTY USED	PART DESCRIPTION	REF NO	PART NO	QTY USED	PART DESCRIPTION
	98-1100	1	Decel Kit, Generator - Spec J		154-2542	1	*Gasket, Exhaust Manifold Muffler
	98-4269	1	5.0 RV Gen Set - Label (Logo)		154-2747	2	*Gasket, Exhaust Manifold
	98-4270	1	5.5 RV Gen Set - Label (Logo)		168-0191	1	Kit, Gasket - Engine Comp (Includes Parts Marked *)
	98-4271	1	6.5 RV Gen Set - Label (Logo)		101-0782	1	*Gasket, Rear Bearing Plate
	98-3234	1	6.5 NH - Control Panel Decel Begin Spec R		102-1409	1	*Gasket, Oil Base
	98-4694	1	6.5 Gen Set (Silkscreen)		103-0810	1	*Gasket, Gearcase
	98-4693	1	5.5 Gen Set (Silkscreen)		110-2987	2	*Gasket, Cylinder Head
	98-4692	1	5.0 Gen Set (Silkscreen)		110-3136	2	*Gasket, Valve Guide
	98-4856	1	Silkscreen - SVC Instructions		110-3575	3	*Gasket, Valve Box
	98-3191	1	Label, Warning		110-3604	2	*Seal, Valve Stem - 11/32"
	98-3074	1	Silkscreen - SVC Instructions		120-0161	1	*Kit, Gasket - Oil Pump
	98-5291	1	Silkscreen - Control Panel		122-0774	1	*Gasket, Oil Filter Adapter
	518-0452	1	Sealant, Thread (50cc Bottle)		123-0191	1	*Gasket, Oil Fill Cap
	518-0347	1	Loctite, Bottle (250cc)		149-0003	1	*Gasket, Fuel Pump
	525-0305	1	Paint, Enamel Touch-Up Green (Non-Metallic) 13 oz. Pressurized Can		154-0733	1	*Gasket, Adapter to Carbure
					154-2061	2	*Gasket, Exhaust Manifold
	525-0137	1	Paint, Touch-Up - Enamel (Metallic Green) - 13 oz. Pressurized Can		154-2219	2	*Gasket, Intake Manifold
					154-2747	2	*Gasket, Exhaust Manifold
	168-0190	1	Kit, Gasket - Carbon Removal (Includes Parts Marked +)		160-1150	1	*Gasket, Breaker Box
	110-3136	2	+Gasket, Valve Guide		509-0008	1	*Seal, Oil (Gov. Shaft)
	110-2987	2	+Gasket, Cylinder Head		509-0040	1	*Seal, Oil (Gearcase)
	110-3575	3	+Gasket, Valve Cover		509-0041	1	*Seal, Oil (Bearing Plate)
	110-3604	2	+Seal, Oil (Valve)		509-0117	1	*O-Ring, 1.75 OD, 1.50 ID
	154-2061	2	+Gasket, Exhaust Manifold/Muffler		509-0145	1	*O-Ring (Air Cleaner to Car
	154-2219	2	+Gasket, Intake Manifold				

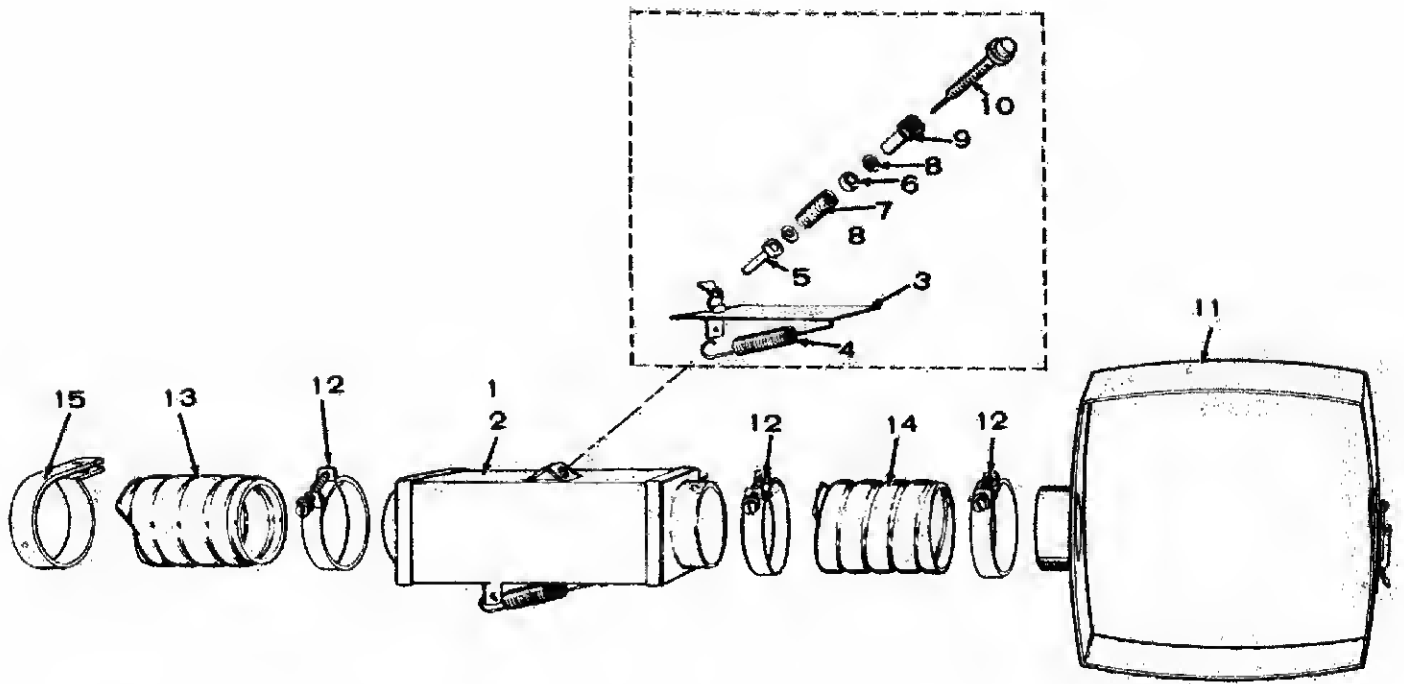
* - Parts Included in 168-0191 Gasket Kit.

+ - Parts Included in 168-0190 Gasket Kit.

Optional Parts Section

This section contains illustrated parts listings of factory installed options. Options may not be applicable to all models; for field conversions additional parts are usually required.

Carburetor Air Preheater - Optional

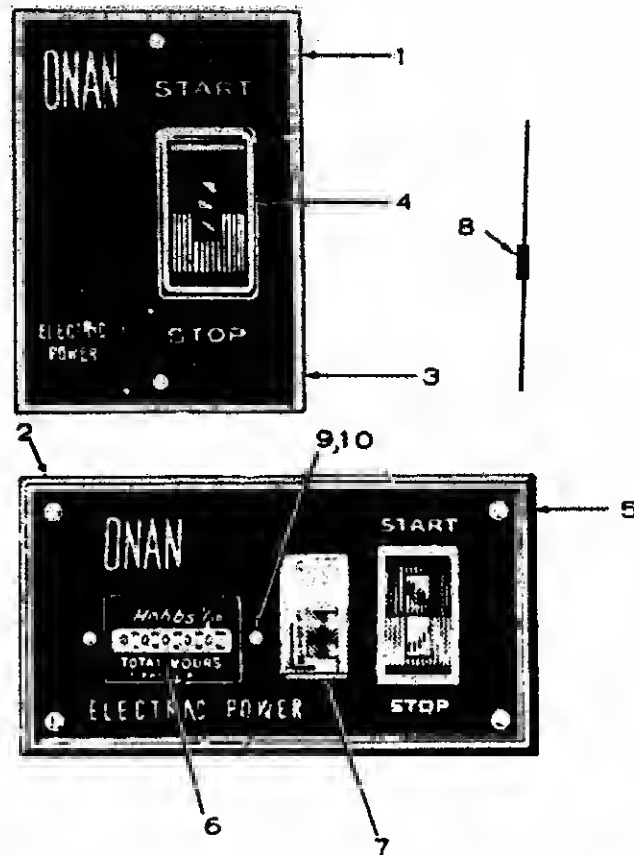


EXS 1031

REF NO	PART NO.	QTY USED	PART DESCRIPTION	REF NO	PART NO	QTY USED	PART DESCRIPTION
	140-1673	1	Preheater Kit, Air - Carburetor	8	518-020S	2	*Ring, Retaining
1	140-0788	1	Control, Temperature - Air (Includes Parts Marked *)	9	870-0195	1	*Nut
2	140-0785	1	*Housing, Control	10	309-0181	1	*Vernatherm
3	140-0782	1	*Shutter	11	140-1672	1	Wrepper, Cleaner - Air
4	140-0786	1	*Spring, Return - Shutter	12	503-0004	3	Clamp, Hose
5	140-0784	1	*Plunger	13	503-0981	1	Hose, Duct (12" Long)
6	140-0808	1	*Spacer, Vernatherm	14	503-0980	1	Hose, Duct (3" Long)
7	140-0787	1	*Spring, Vernatherm	15	332-2247	1	Clamp, Loop

* - Parts Included in the Air Temperature Control

Remote Start Control - Optional

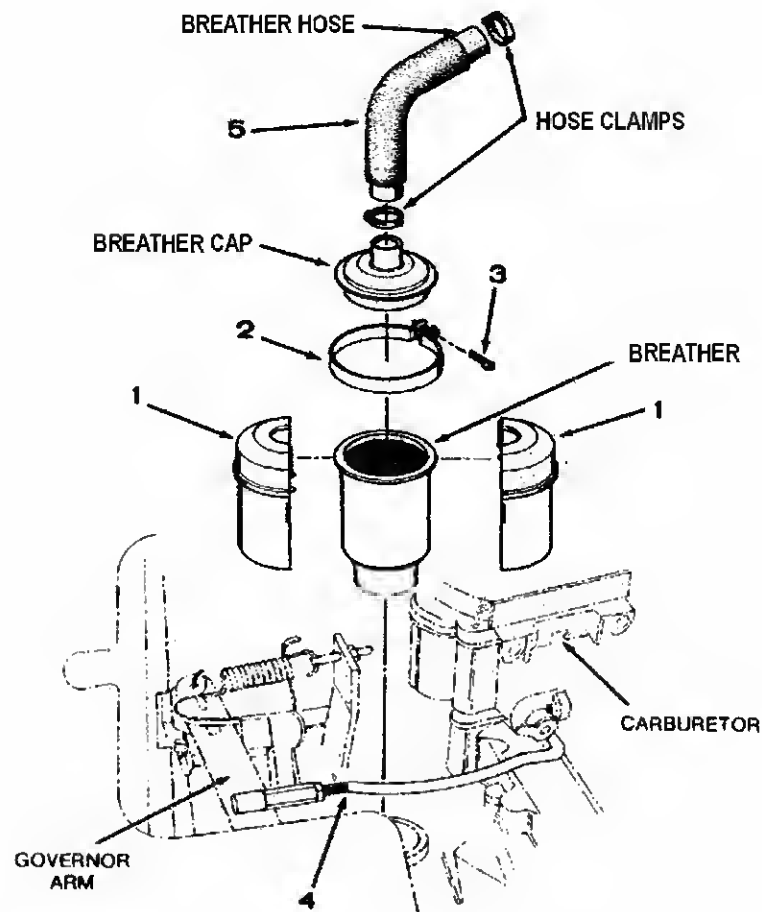


REF NO.	PART NO.	QTY USED	PART DESCRIPTION	REF NO.	PART NO.	QTY USED	PART DESCRIPTION
1	300-0985	1	Control Package, Remote Starting - Standard (Includes Parts Marked *)	5	301-3606	1	†Panel, Control
2	300-0986	1	Control Package, Remote Starting - Deluxe (Includes Parts Marked †)	6	302-0885	1	†Meter, Totalizing - Time
3	301-3566	1	*Panel, Control	7	302-0888	1	†Meter, Condition - Battery
4	308-0341	1	*†Switch, Rocker	8	359-0034	1	†Diode
				9	815-0385	2	†Screw, Machine - Round Head (#6-32 x 1/2")
				10	860-000S	2	†Nut, Hex Head (#6-32)

* - Parts Included in Standard Control.

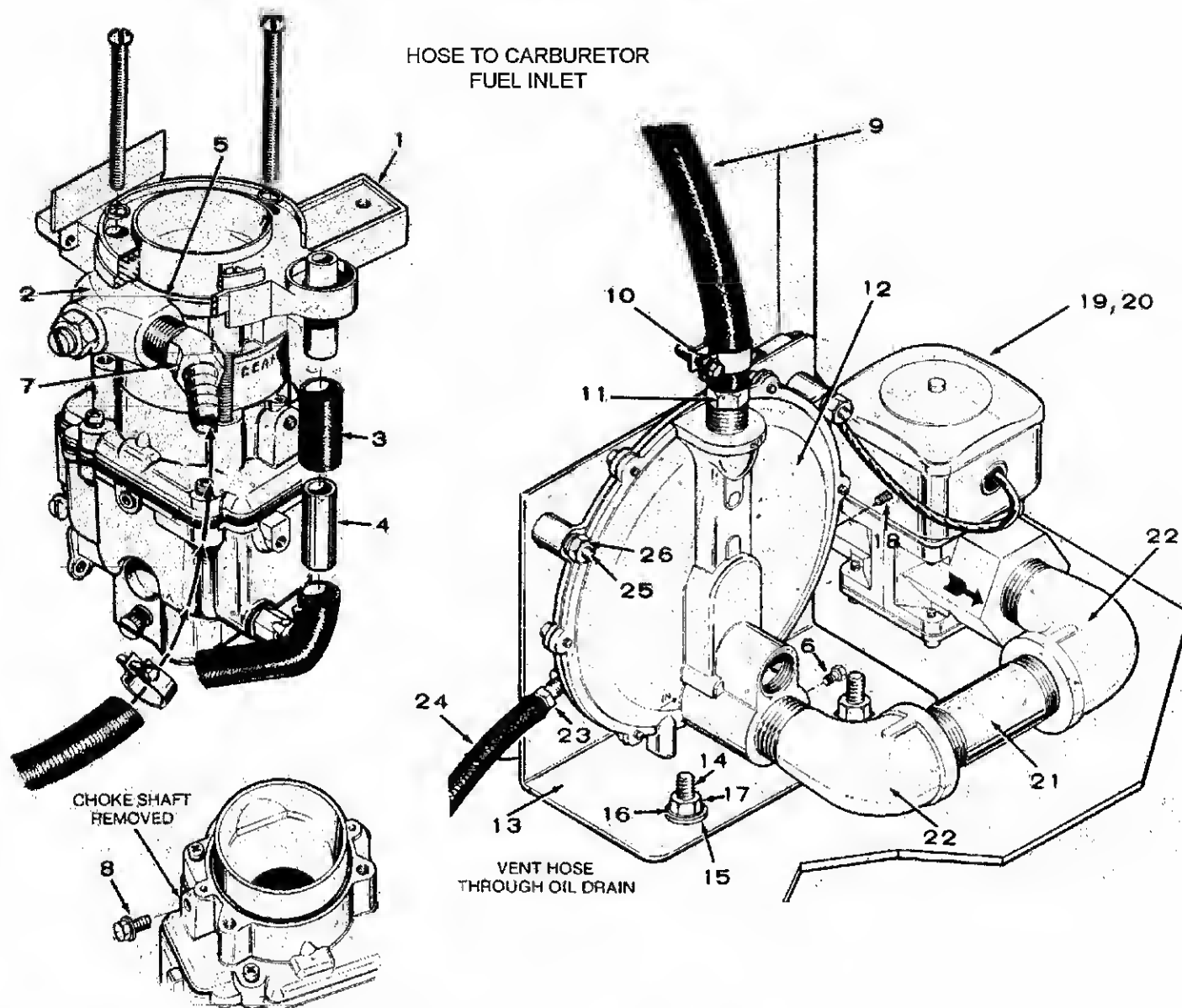
† - Parts Included in Deluxe Control.

Breather Insulation - Option



REF NO.	PART NO.	QTY USED	PART DESCRIPTION	REF NO.	PART NO.	QTY USED	PART DESCRIPTION
1	123-0998	2	Insulator, Breather	4	150-0979	1	Rod, Control - Governor
2	518-0268	2	Clamp, Breather	5	503-1189	1	Insulation, Hose - Breather
3	809-0035	1	Screw, Round Head (#8 x 3/4")				

LP Fuel System - Optional Begin Spec M



REF NO	PART NO	QTY USED	PART DESCRIPTION	REF NO	PART NO.	QTY USED	PART DESCRIPTION
1	140-1719	1	Adapter, Duct - Air	14	800-0008	2	Screw, Cap. & Hex Head (1/4-20 x 1-1/4")
2	148-0840	1	Adapter, Carburetor (Includes Gaskets, Screws, 3-#10 Lock Washers)	15	526-0018	2	Washer, Flat (1/4")
3	503-1039	1	Hose, Breather (7/16 x 1-1/2")	16	850-0040	2	Washer, Lock (1/4")
4	123-1484	1	Tube, Breather (Copper)	17	862-0001	2	Nut, Hex (1/4-20)
5	509-0145	1	Seal, O-Ring	18	505-0057	1	Plug, Square Head (1/8")
6	502-0028	1	Plug, Pipe - Hex Head (1/8")	19	307-1881	1	Solenoid
7	502-0575	1	Elbow, Hose - 45°	20	307-0312	1	Valve, Magnetic
8	815-0389	1	Screw, Thread Form - Choke Shaft Hole (1/4-20 x 5/8")	21	505-0332	1	Nipple, Pipe
9	503-1048	1	Hose, Fuel (1/2" ID x 30")	22	505-0051	2	Elbow Street (90°)
10	503-0032	2	Clamp, Hose	23	502-0395	1	Connector, Hose - Vent (1/4
11	502-0238	1	Connector, Hose (1/2")	24	503-1016	1	Hose, Oil (1/2" ID x 12")
12	148-0311	1	Regulator, Gas	25	800-0028	2	Screw, Cap - Hex Head (5/16-18 x 1")
13	148-0852	1	Bracket	26	870-0257	2	Nut, Hex (5/16-18)

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104-0043	10	112-0228-10	11	123-1400	9	146-0243	19
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104-0170	10	112-0228-30	11	123-1484	38	146-0248	19
104-0575	5	112-0228-40	11	134-2747	24	146-0261	19
104-0776	5	113-0165	11	134-2752	24	146-0262	19
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338-1082	31	503-0770	5	518-0004	13	800-0008	38
338-1084	31	503-0802	14	518-0014	10	800-0011	5
338-1099	27	503-0857	5	518-0056	14	800-0028	6
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PART NO	QTY	DESCRIPTION	PART NO.	QTY	DESCRIPTION
		Gasoline Carburetion Vacuum Cooled			

SPECIAL PARTS LIST FOR MODEL 5.5NH-53GR SPEC 16000J
 FOR STANDARD PARTS REFER TO CATALOG 940-0222 KEY NO.
 (PARTS CATALOG ALSO CONTAINS COMPONENTS FOR MAJOR OPTIONAL FEATURES LISTED BEL
 WIRING DIAGRAM NO. 611-1127-05

PART NO.	QTY.	DESCRIPTION	PART NO.	QTY.	DESCRIPTION
502-0053	1	Elbow, Street 45° Low Oil Pressure			
503-0768	2	Clamp, Hose - Breather Tube			
153-0489	1	Adapter Assembly, Choke			
149-1541	1	Pump, Fuel - Electric			
502-0196	1	Elbow, Pipe 90° Fuel Pump			
332-0556	1	Connector, Fuel Pump			
149-1554	1	Line, Fuel - Carburetor to Pump			
185-1258	1	Muffler, Spark Arrestor			
337-0049	1	Strap, Ground			
321-0174	2	Fuse (5 Amp 32 Volt)			
338-1106	1	Wiring Harness			

SPECIAL PARTS LIST FOR MODEL 5.5NH-57R SPEC 16000J
 FOR STANDARD PARTS REFER TO CATALOG 940-0222 KEY NO.
 (PARTS CATALOG ALSO CONTAINS COMPONENTS FOR MAJOR OPTIONAL FEATURES LISTED BELOW)

WIRING DIAGRAM NO. 611-1127-02

PART NO	QTY	DESCRIPTION	PART NO	QTY	DESCRIPTION
502-0053	1	Elbow, Pipe 45° - Low Oil Pressure			
503-0768	2	Clamp, Hose - Breather Tube			
153-0489	1	Adapter Assembly, Choke			
149-1541	1	Pump, Fuel - Electric			
502-0196	1	Elbow, Pipe 90° Fuel Pump			
332-0556	1	Connector, Fuel Pump			
203-0152	1	Commutator, Generator			
201-2409	1	Armature Assembly, Generator			
155-1258	1	Muffler, Spark Arrester			
337-0049	1	Strap, Ground			
321-0174	2	Fuse (5 Amp, 32 Volt)			
338-1106	1	Wiring Harness			

SPECIAL PARTS LIST FOR MODEL 6.5NH-3CR SPEC 16000J
 FOR STANDARD PARTS REFER TO CATALOG 940-0222 KEY NO.
 (PARTS CATALOG ALSO CONTAINS COMPONENTS FOR MAJOR OPTIONAL FEATURES LISTED BELC
 WIRING DIAGRAM NO. 611-1127-05

PART NO	QTY	DESCRIPTION	PART NO	QTY	DESCRIPTION
502-0053	1	Elbow, Street 45° Low Oil Pressure			
503-0768	2	Clamp, Hose - Breather Tube			
153-0489	1	Adapter Assembly, Choke			
149-1541	1	Pump, Fuel - Electric			
502-0196	1	Elbow, Pipe 90° Fuel Pump			
332-0556	1	Connector, Fuel Pump			
149-1554	1	Line, Fuel - Carburetor to Pump			
155-1258	1	Muffler, Spark Arrestor			
337-0049	1	Strap, Ground			
321-0174	2	Fuse (5 Amp, 32 Volt)			
338-1106	1	Wiring Harness			

SPECIAL PARTS LIST FOR MODEL 6.5 NH-3CR SPEC 16000K
 FOR STANDARD PARTS REFER TO CATALOG 940-0222 KEY NO.
 (PARTS CATALOG ALSO CONTAINS COMPONENTS FOR MAJOR OPTIONAL FEATURES LISTED BELOW)
 WIRING DIAGRAM NO. 611-1135-03(ENG)

PART NO.	QTY.	DESCRIPTION	PART NO.	QTY.	DESCRIPTION
110-1718	2	Valve Intake			
503-0587	1	Hose, Breather			
503-0768	1	Clamp, Breather Hose			
503-0770	1	Clamp, Breather Hose			
309-0319	1	Switch, Low Oil Pressure			
154-1482	2	Gasket, Exhaust Manifold Mounting			
140-1533	2	Seal, Air Cleaner Element			
201-2407	1	Armature Assembly Generator			
203-0152	1	Communtator, Generator			
301-4543	1	Cover, Control Box			
332-2103	1	Marker Strip			
332-0254	1	Block, Terminal			
332-2099	1	Marker Strip			
352-0160	1	Resistor, Fixed (120 Amp - 5 Watts)			
320-0548	1	Circuit Breaker 50 Amp			

SPECIAL PARTS LIST FOR MODEL 5. 5NH-53CR SPEC 16002J
 FOR STANDARD PARTS REFER TO CATALOG 940-0222 KEY NO.
 (PARTS CATALOG ALSO CONTAINS COMPONENTS FOR MAJOR OPTIONAL FEATURES LISTED BELOW)
 WIRING DIAGRAM NO. 611-1127-05

PART NO.	QTY.	DESCRIPTION	PART NO.	QTY.	DESCRIPTION
502-0053	1	Elbow, Street 45° Low Oil Pressure			
503-0768	2	Clamp, Hose - Breather Tube			
153-0489	1	Adapter Assembly, Choke			
149-1541	1	Pump, Fuel - Electric			
502-0196	1	Elbow, Pipe 90° Fuel Pump			
332-0556	1	Connector, Fuel Pump			
149-1554	1	Line, Fuel - Carburetor to Pump			
337-0049	1	Strap, Ground			
321-0174	2	Fuse (5 Amp, 32 Volt)			
338-1106	1	Wiring Harness			

SPECIAL PARTS LIST FOR MODEL 6 5NH-3CR SPEC 16002J
 FOR STANDARD PARTS REFER TO CATALOG 940-0222 KEY NO.
 (PARTS CATALOG ALSO CONTAINS COMPONENTS FOR MAJOR OPTIONAL FEATURES LISTED BELOW)
 WIRING DIAGRAM NO. 611-1127-05

PART NO.	QTY.	DESCRIPTION	PART NO.	QTY.	DESCRIPTION
502-0053	1	Elbow, Street 45° Low Oil Pressure			
503-0768	2	Clamp, Hose - Breather Tube			
153-0489	1	Adapter Assembly, Choke			
149-1541	1	Pump, Fuel - Electric			
502-0196	1	Elbow, Pipe 90° Fuel Pump			
332-0556	1	Connector, Fuel Pump			
149-1554	1	Line, Fuel - Carburetor to Pump			
337-0049	1	Strap, Ground			
321-0174	2	Fuse (5 Amp 32 Volt)			
338-1106	1	Wiring Harness			

SPECIAL PARTS LIST FOR MODEL 6.5NH-3CR SPEC 16004J
 FOR STANDARD PARTS REFER TO CATALOG 940-0222 KEY NO.
 (PARTS CATALOG ALSO CONTAINS COMPONENTS FOR MAJOR OPTIONAL FEATURES LISTED BELOW)
 WIRING DIAGRAM NO. 611-1027-01

PART NO	QTY	DESCRIPTION	PART NO	QTY	DESCRIPTION
502-0053	1	Elbow, Pipe Low Oil Pressure			
503-0768	2	Clamp, Hose - Breather			
153-0499	1	Adapter Assembly Choke			
154-1881	1	Manifold, Exhaust			
154-1887	2	Bracket, Manifold Heat Shield			
154-1888	1	Shield, Heat Exhaust Manifold			
154-1917	1	Tube and Flange Exhaust			
503-0107	1	Clamp, Hose			
155-1258	1	Muffler, Spark Arrester			
155-1915	1	Heat Shield			
154-1383	1	Gasket, Exhaust			
337-0049	1	Strap, Ground Stator Thru Bolt			
321-0174	1	Fuse (5 Amp 32 Volt)			
338-0984	1	Wiring Harness			
149-1554	1	Line, Fuel Carburetor to Pump			

SPECIAL PARTS LIST FOR MODEL 5.5NH-53CR SPEC 16004K
 FOR STANDARD PARTS REFER TO CATALOG 940-0222 KEY NO.
 (PARTS CATALOG ALSO CONTAINS COMPONENTS FOR MAJOR OPTIONAL FEATURES LISTED BELOW)
 WIRING DIAGRAM NO. (ENG) 611-1135-03

PART NO.	QTY.	DESCRIPTION	PART NO.	QTY.	DESCRIPTION
110-1718	2	Valve, Intake			
503-0857	1	Hose, Breather			
503-0768	1	Clamp, Breather Hose			
503-0770	1	Clamp, Breather Hose			
309-0319	1	Switch, Low Oil Pressure			
154-1482	2	Gasket, Exhaust Manifold Mounting			
140-1533	2	Seal, Air Cleaner Element			
301-4543	1	Cover, Control Box			
332-2103	1	Marker Strip			
332-0254	1	Block, Terminal			
332-2099	1	Marker Strip			
352-0160	1	Resistor, Fixed (120 OHMS - 5 Watt)			
320-0548	1	Circuit Breaker 50 Amp.			

SPECIAL PARTS LIST FOR MODEL 6.5 NH-FJ SPEC 16004R
 FOR STANDARD PARTS REFER TO CATALOG 940-0222 KEY NO.
 OPTIONAL GROUPS IN CATALOG ARE LISTED BY GROUP NO. BELOW WHEN USED.
 WIRING DIAGRAM NO. (AC) 611-1146-03

PART NO.	QTY.	DESCRIPTION	PART NO.	QTY.	DESCRIPTION
98-2899	1	Label, Warning			
98-3261	1	Silkscreen, Air Cleaner			
98-3265	1	Silkscreen, Warning			
98-3278	1	Label, Choke			
98-3717	1	Decal, Schematic - Use with 301-4447 Control Box Cover			
98-3488	1	Silkscreen, Load Connect			
98-0994	1	Silkscreen, Ground			
110-1761	2	Valve, Exhaust			
110-3549	2	Head, Cylinder			
134-2749	1	Scroll, Blower Housing			
146-0498	1	Package, Screw and Plug - Carburetor			
150-1467	1	Linkage, Governor			
301-4447	1	Cover, Control Box			
403-1523-01	1	Bracket, Lifting			
503-0171	1	Clamp, Hose			

SPECIAL PARTS LIST FOR MODEL 5.5NH-53BR SPEC T6008J
 FOR STANDARD PARTS REFER TO CATALOG 940-0222 KEY NO. _____
 (PARTS CATALOG ALSO CONTAINS COMPONENTS FOR MAJOR OPTIONAL FEATURES LISTED B
 WIRING DIAGRAM NO. 611-1127-01

PART NO.	QTY.	DESCRIPTION	PART NO.	QTY.	DESCRIPTION
Vacuum Booster					
502-0053	1	Elbow, Pipe - 45° Low Oil Pressure			
503-0768	2	Clamp, Hose - Breather Tube			
154-1920	1	Manifold, Intake			
153-0489	1	Adapter, Assembly Choke			
150-1030	1	Kit, Vacuum Speed Booster Replacement - Includes Parts Marked #			
150-1031	1	#Kit, Diaphragm Replacement Includes Gaskets			
150-0668	1	#Gasket, Diaphragm Plate			
150-0425	1	#Gasket, Booster to Manifold			
150-1354	1	#Spring, Internal			
150-0376	1	#Bracket, Internal Spring Adjustment			
516-0039	1	#Pin, Cotter			
150-0666	1	#Plate, Diaphragm			
516-0085	1	#Pin, Diaphragm Lever Pivot			
150-0471	1	#Spring, External			
813-0111	2	#Screw, Booster Mounting			
853-0008	2	#Washer, Lock			
815-0148	4	#Screw			
150-1332	1	#Shield, Heat			
526-0196	2	#Washer, Flat			
	1	#Housing Booster - Not Sold Separately			
	1	#Cover, Booster Housing - Not Sold Separately			
134-3464	1	Scroll, Blower Housing			
309-0077	1	Switch, High Temperature			
812-0061	2	Screw, Round Head			
860-0006	2	Nut, Hex			
856-0001	2	Lockwasher			
508-0056	2	Washer, Flat Fibre			
508-0031	1	Grommet, Rubber			
336-2963	1	Lead, Temperature Cutoff			
160-0144	1	Strap, Ground			
149-1554	1	Line, Fuel Carburetor to Pump			
201-2410	1	Armature Assembly, Generator			
203-0152	1	Commutator, Generator			
321-0174	2	Fuse (5 Amp, 32 Volt)			
338-0984	1	Wiring, Harness			

SPECIAL PARTS LIST FOR MODEL 5. 5NH-53BR SPEC 16009J
 FOR STANDARD PARTS REFER TO CATALOG 940-0222 KEY NO.
 (PARTS CATALOG ALSO CONTAINS COMPONENTS FOR MAJOR OPTIONAL FEATURES LISTED BEL
 WIRING DIAGRAM NO. 611-1134-02

PART NO	QTY	DESCRIPTION	PART NO	QTY	DESCRIPTION
Vacuum Booster					
502-0053	1	Elbow, Pipe Low Oil Pressure	149-1554	1	Line, Fuel Carburetor to Pump
503-0768	2	Clamp, Hose - Breather	149-1245	1	Pump, Fuel
154-1920	1	Manifold, Intake	307-1279	1	Solenoid, Fuel
153-0489	1	Adapter, Choke	502-0020	1	Elbow, Fuel Pump
150-1030	1	Kit, Vacuum Speed Booster Replacement - Includes Parts Marked #	149-1503	1	Cable, Connector Fuel Pump
150-1031	1	#Kit, Diaphragm Replacement, Includes Gaskets	201-2410	1	Armature Assembly, Generator
150-0668	1	#Gasket, Diaphragm Plate	203-0152	1	Communtator, Generator
150-0425	1	#Gasket, Booster to Manifold	304-0610	1	Support, Terminal
150-1354	1	#Spring, Internal	338-0642	1	Wiring, Harness
150-0376	1	#Bracket, Internal Spring Adjustment	301-3483	1	Bracket, Control Moun
516-0039	1	#Pin, Cotter	301-4129	1	Cover, Control Box
150-0666	1	#Plate, Diaphragm	332-0142	1	Terminal Solderless
516-0085	1	#Pin, Diaphragm Lever Pivot	301-4314	1	Box, Control
150-0471	1	#Spring, External	508-0199	1	Grommet, Control Box
813-0111	2	#Screw, Booster Mounting	357-0030	1	Rectifier
853-0098	2	#Washer, Lock	304-0060	1	Resistor Fixed
815-0148	4	#Screw	508-0015	2	Washer Insulating
150-1332	1	#Shield, Heat	304-0292	1	Insulator
526-0196	2	#Washer, Flat	508-0002	1	Grommet, Control Box
	1	#Housing, Booster - Not Sold Separately	304-0217	1	Resistor Fixed
	1	#Cover, Booster Housing Not Sold Separately	307-0253	1	Relay
167-0256	2	Plug, Spark	332-0592	1	Jumper, Ground
160-1259	1	Breaker Box Assembly	338-1048	1	Wiring Harness
312-0069	1	Capacitor, Ignition			
160-1154	1	Point Set, Ignition			
160-1150	1	Gasket, Breaker Box Mtg.			
160-1151	1	Plunger, Ignition Breaker			
160-1149	1	Cover, Breaker Box Ignition			
160-1148	1	Gasket, Breaker Box Cover			
134-3464	1	Scroll, Blower Housing			
309-0077	1	Switch, Hi Temperature			
508-0031	1	Grommet, Rubber			
336-2963	1	Lead, High Temperature			
508-0056	2	Washer, Flat Fibre			
160-0144	1	Strap, Ground			
166-0666	1	Bracket, Mounting - Coil			
166-0382	1	Coil, Ignition			
503-0465	1	Clamp, Hose			
167-1476	1	Cable, Spark Plug			
167-1457	1	Cable, Spark Plug			
337-0221	1	Strap, Ground Coil			

SPECIAL PARTS LIST FOR MODEL 5.0NH-FP SPEC 16010R
FOR STANDARD PARTS REFER TO CATALOG 940-0222 KEY NO.
OPTIONAL GROUPS IN CATALOG ARE LISTED BY GROUP NO. BELOW WHEN USED.
WIRING DIAGRAM NO.

PART NO.	QTY.	DESCRIPTION	PART NO.	QTY.	DESCRIPTION
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Gasoline Carburetion
Exhaust Heat Shields

SPECIAL PARTS LIST FOR MODEL 6.5NH-3CR SPEC 16019K
 FOR STANDARD PARTS REFER TO CATALOG 940-0222 KEY NO.
 (PARTS CATALOG ALSO CONTAINS COMPONENTS FOR MAJOR OPTIONAL FEATURES LISTED BEI
 WIRING DIAGRAM NO. 611-1138-02 (ENG)

PART NO.	QTY.	DESCRIPTION	PART NO.	QTY.	DESCRIPTION
110-1718	2	Valve, Intake			
102-0872	1	Base, Oil			
503-0587	1	Tube, Breather			
503-0768	1	Clamp, Hose			
503-0770	1	Clamp, Hose			
154-1482	2	Gasket, Exhaust Manifold			
		Mounting			
134-3551	1	Housing, Cylinder Air - Right			
		Side			
140-1533	2	Seal, Air Cleaner Element			
309-0319	1	Switch, Low Oil Pressure			
122-0438	1	Cover, Oil Filter			
336-3377	1	Lead, Electrical - Low Oil			
		Pressure Switch to Control			
160-1245	1	Indicator, Ignition Timing			
403-1356	1	Plate, Mounting			
203-0152	1	Communtator			
201-2407	1	Armature Assembly Generator			
301-4543	1	Cover, Control Box			
352-0160	1	Resistor (120 OHM - 5 Watt)			
320-0544	1	Circuit Breaker 30 Amp.			
320-0692	1	Circuit Breaker 20 Amp.			
332-2103	1	Marker Strip			
332-0254	1	Block, Terminal			
331-0008	1	Connector (3/4 Greenfield)			
332-2099	1	Marker Strip			

SPECIAL PARTS LIST FOR MODEL 6. SNH-3CR SPEC 16020K
 FOR STANDARD PARTS REFER TO CATALOG 940-0222 KEY NO.
 (PARTS CATALOG ALSO CONTAINS COMPONENTS FOR MAJOR OPTIONAL FEATURES LISTED BEL
 WIRING DIAGRAM NO. 611-1138-02 (ENG)

PART NO.	QTY.	DESCRIPTION	PART NO.	QTY.	DESCRIPTION
102-0872	1	Base, Oil			
110-1718	2	Valve, Intake			
309-0319	1	Switch, Low Oil Pressure			
122-0438	1	Cover, Oil Filter			
336-3377	1	Lead, Electrical Low Oil			
		Pressure Switch to Control			
160-1245	1	Indicator, Ignition Timing			
503-0587	1	Tube, Breather			
503-0768	1	Clamp, Breather Hose			
503-0770	1	Clamp, Breather Hose			
134-3551	1	Housing, Cylinder Air - Right			
		Side			
154-1482	2	Gasket, Exhaust Manifold			
		Mounting,			
140-1533	2	Seal, Air Cleaner Element			
403-1356	1	Plate, Mounting,			
203-0152	1	Communtator			
201-2407	1	Armature Assembly Generator			
301-4543	1	Cover, Control Box			
352-0160	1	Resistor (120 OHM - 5 Watt)			
320-0692	1	Circuit Breaker 20 Amp			
332-2103	1	Marker Strip			
332-0254	1	Block, Terminal			
331-0008	1	Connector (3/4 Greenfield)			
332-2099	1	Marker Strip			

SPECIAL PARTS LIST FOR MODEL 6.5NH-3CR SPEC 17789J
 FOR STANDARD PARTS REFER TO CATALOG 940-0222 KEY NO.
 (PARTS CATALOG ALSO CONTAINS COMPONENTS FOR MAJOR OPTIONAL FEATURES LISTED BELOW)
 WIRING DIAGRAM NO. 611-1127-05

PART NO.	QTY.	DESCRIPTION	PART NO.	QTY.	DESCRIPTION
502-0053	1	Elbow, Pipe Low Oil Pressure			
503-0768	2	Clamp, Hose Breather			
153-0489	1	Adapter, Choke			
134-3464	1	Scroll, Blower Housing			
309-0077	1	Switch, High Temperature			
508-0056	2	Washer, Flat Fibre			
508-0031	1	Grommet, Rubber			
336-2963	1	Lead, High Temperature Switch			
160-0144	1	Strap, Ground			
149-1554	1	Line, Fuel - Carburetor to Pump			
337-0049	1	Strap, Ground Stator thru Bolt			
149-1541	1	Pump, Fuel - Electric			
502-0196	1	Elbow, Pipe 90° Fuel Pump			
332-0556	1	Connector, Fuel Pump			
321-0174	2	Fuse (5 Amp 32 Volt)			
338-1106	1	Wiring Harness			

SPECIAL PARTS LIST FOR MODEL 6.5NH-4R SPEC 17789J
 FOR STANDARD PARTS REFER TO CATALOG 940-0222 KEY NO.
 (PARTS CATALOG ALSO CONTAINS COMPONENTS FOR MAJOR OPTIONAL FEATURES LISTED BEL
 WIRING DIAGRAM NO. 611-1127-03

PART NO.	QTY.	DESCRIPTION	PART NO.	QTY.	DESCRIPTION
502-0053	1	Elbow, Pipe Low Oil Pressure			
503-0768	2	Clamp, Hose Breather			
1S3-0489	1	Adapter, Choke			
134-3464	1	Scroll, Blower Housing			
309-0077	1	Switch, High Temperature			
508-0056	2	Washer, Flat Fibre			
508-0031	1	Grommet, Rubber			
336-2963	1	Lead, Switch - High Temperature			
160-0144	1	Strap, Ground - High Temperature			
337-0049	1	Strap, Ground - Stator Thru Bolt			
149-1541	1	Pump, Fuel - Electric			
502-0196	1	Elbow, Pipe 90° Fuel Pump			
332-0556	1	Connector, Fuel Pump			
201-2411	1	Armature, Assembly Generator			
203-0152	1	Commutator, Generator			
321-0174	2	Fuse (5 Amp, 32 Volt)			
338-1106	1	Wiring Harness			

SPECIAL PARTS LIST FOR MODEL 5.5NH-53BR

SPEC

18492J

FOR STANDARD PARTS REFER TO CATALOG 940-0222

KEY NO.

(PARTS CATALOG ALSO CONTAINS COMPONENTS FOR MAJOR OPTIONAL FEATURES LISTED BELOW)

WIRING DIAGRAM NO. 611-1127-05

PART NO.	QTY.	DESCRIPTION	PART NO.	QTY.	DESCRIPTION
Vacuum Booster					
502-0053	1	Elbow, Pipe 45° - Low Oil Pressure			
503-0768	2	Clamp, Hose - Breather Tube			
154-1920	1	Manifold, Intake			
153-0489	1	Adapter Assembly - Choke			
150-1030	1	Kit, Vacuum Speed Booster Replacement - Includes Parts Marked #			
150-1031	1	#Kit, Diaphragm Replacement, Includes Gaskets			
150-0668	1	#Gasket, Diaphragm Plate			
150-0425	1	#Gasket, Booster to Manifold			
150-1354	1	#Spring, Internal			
150-0376	1	#Bracket, Internal Spring Adjustment			
516-0039	1	#Pin, Cotter			
150-0666	1	#Plate, Diaphragm			
516-0085	1	#Pin, Diaphragm Lever Pivot			
150-0471	1	#Spring, External			
813-0111	2	#Screw, Booster Mounting			
853-0008	2	#Washer, Lock			
815-0148	4	#Screw			
150-1332	1	#Shield, Heat			
526-0196	2	#Washer, Flat			
	1	#Housing, Booster - Not Sold Separately			
	1	#Cover, Booster Housing - Not Sold Separately			
134-3464	1	Scroll, Blower Housing			
309-0077	1	Switch, High Temperature			
812-0061	2	Screw, Round Head			
860-0006	2	Nut, Hex			
856-0001	2	Lockwasher			
508-0056	2	Washer, Flat Fibre			
508-0031	1	Grommet, Rubber			
336-2963	1	Lead, Temperature Cutoff			
160-0144	1	Strap, Ground - Temperature Switch			
337-0049	1	Strap Ground - Stator Thru Bolt			
149-1554	1	Line, Fuel - Carburetor to Pump			
149-1541	1	Pump, Fuel - Electric			
502-0196	1	Elbow, Pipe 90° Fuel Pump			
332-0556	1	Connector Fuel Pump			
201-2410	1	Armature Assembly, Generator			
203-0152	1	Commutator, Armature			
321-0174	2	Fuse (5 Amp, 32 Volt)			
338-1106	1	Wiring Harness			

SPECIAL PARTS LIST FOR MODEL

6.5NH-3CR

SPEC

18629J

FOR STANDARD PARTS REFER TO CATALOG

940-0222

KEY NO.

(PARTS CATALOG ALSO CONTAINS COMPONENTS FOR MAJOR OPTIONAL FEATURES LISTED BEL

WIRING DIAGRAM NO.

611-1127-05

PART NO.	QTY.	DESCRIPTION	PART NO.	QTY.	DESCRIPTION
502-0053	1	Elbow, Pipe - Low Oil Pressure			
503-0768	2	Clamp, Hose - Breather			
153-0489	1	Adapter Assembly, Choke			
518-0004	1	Clip, Linkage - Governor			
149-1554	1	Line, Fuel - Carburetor to Pump			
337-0049	1	Strap, Ground - Mounted Stator Thru Bolt			
149-1541	1	Pump, Fuel Electric			
332-0556	1	Connector, Fuel Pump Lead			
502-0196	1	Elbow, Pipe - Fuel Pump Inlet			
321-0174	2	Fuse (5 Amp, 32 Volt)			
338-1106	1	Wiring Harness			

SPECIAL PARTS LIST FOR MODEL 6.5NH-FJ SPEC 23005R
 FOR STANDARD PARTS REFER TO CATALOG 940-0222 KEY NO.
 OPTIONAL GROUPS IN CATALOG ARE LISTED BY GROUP NO. BELOW WHEN USED.
 WIRING DIAGRAM NO. 611-1160-02

PART NO.	QTY.	DESCRIPTION	PART NO.	QTY.	DESCRIPTION
Gasoline Carburetion					
98-0985	1	Silkscreen, Negative	338-1454	1	Harness, Wiring - Remote
98-2899	1	Label, Warning	403-1523-01	1	Bracket, Lifting
98-3261	1	Silkscreen, Air Filter	403-1836	1	Plate, Mounting
98-3265	1	Silkscreen, Warning	501-0005	1	Line, Flex - Oil (Remote Oil Gauge)
98-3278	1	Label, Choke	502-0017	1	Connector, Oil Line
98-4394	1	Label, Service Instructions	502-0058	1	Tee, Oil Line
110-1761	2	Valve, Exhaust	503-1056	1	Hose, Duct - Preheater
134-3381	1	Scroll, Blower Housing	508-0005	1	Grommet, Rubber - Oil Line
134-4105	1	Flywheel (Includes Magnets)	508-0031	1	Grommet, Rubber - Scroll (Blower Housing)
140-1733	1	Bracket and Tube - Preheater	508-0056	2	Washer, Fiber - Scroll (Blower Housing)
140-1742	1	Wrapper, Air Cleaner - Preheater	520-0876	4	Stud, Cylinder Head (Install 2 Top Holes - RH, LH Heads) (3/8 x 2-3/4")
140-1743	1	Control, Air Temperature	520-0918	8	Stud, Cylinder Head (Install 4 Middle Holes - RH, LH Heads) (3/8 x 3")
149-1554	1	Line, Fuel Pump to Carburetor	520-0919	8	Stud, Cylinder Head (Install 4 Bottom Holes - RH, LH Heads) (3/8 x 2-19/32")
155-1256	1	U-Bolt, Air Duct Bracket			
160-0144	1	Strap, Plate to Condenser			
167-0218	1	Support, Hi-Tension Cable			
191-1847	1	Regulator, Voltage			
234-0642	1	Wrapper, Generator			
300-2170	1	Board, Printed Circuit			
301-6197	1	Box, Control			
301-6227	1	Bracket, Control Mounting			
307-1896	1	Relay, Start Solenoid			
309-0077	1	Switch, Temperature			
312-0027	1	Condenser, Ignition			
321-0165	1	Holder, Fuse			
323-1221	1	Connector, Cap - Control			
330-0004	1	Cover, Outlet Box			
330-0074	1	Box, Outlet			
337-0090	1	Strap, Ground			

SPECIAL PARTS LIST FOR MODEL 6.5 NH-3CR SPEC 28861P
 FOR STANDARD PARTS REFER TO CATALOG 940-0222 KEY NO.
 OPTIONAL GROUPS IN CATALOG ARE LISTED BY GROUP NO. BELOW WHEN USED.
 WIRING DIAGRAM NO. 611-1142-04

PART NO.	QTY.	DESCRIPTION	PART NO.	QTY.	DESCRIPTION
Exhaust Heat Shields					
Valve Stem Oil Seals - Intake					
150-1075	1	Rod, Governor - Control			
150-1081	1	Joint, Ball (Socket)			
201-2523	1	Armature, Generator (Includes Parts Marked *)			
203-0152	1	*Commutator, Generator			
204-0110	1	*Ring, Collector - Generator			
510-0047	1	*Bearing, Ball			
232-2586	1	*Hub			
134-2749	1	Scroll, Blower Housing			
205-0116	1	Fan, Generator			
232-2827	1	Cover, Fan			
520-0782	1	Stud, Armature Thru			
516-0182	4	Pin, Dowel - Locating			
515-0015	1	Key, Extended Shaft			
353-0071	1	Resistor, Fixed - 8.3/3.8 Ohms 25/50 Watts			
304-0706	2	Bracket, Resistor Mounting			
304-0015	2	Washer, Centering - Resistor			
304-0580	1	Insulator, Resistor			
508-0008	1	Grommet, Control Box			
301-4038	1	Bracket, Control			
338-1337	1	Harness, Wiring - Control (Includes Parts Marked +)			
307-2562	2	+Relay, Ignition			
352-0161	1	+Resistor, Fixed			
357-0030	1	+Rectifier			

SPECIAL PARTS LIST FOR MODEL 6.5 NH-5DR SPEC 29842P
 FOR STANDARD PARTS REFER TO CATALOG 940-0222 KEY NO.
 OPTIONAL GROUPS IN CATALOG ARE LISTED BY GROUP NO. BELOW WHEN USED.
 WIRING DIAGRAM NO. 611-1170-01

PART NO.	QTY.	DESCRIPTION	PART NO.	QTY.	DESCRIPTION
Manufactured for: General Cable			301-4634	1	Box, Control
2 Step Battery Charger			301-9011	1	Panel, Control
Valve Stem Oil Seals - Intake			301-9015	1	Cover, Control Box (Includes Schematic)
110-1761	2	Valve, Exhaust	308-0788	1	Switch, Ignition (With Key)
164-1864	1	Manifold, Exhaust - LH Down	312-0051	1	Capacitor (.5 M.F.O.)
150-2179	1	Bracket, Governor Arm	312-0146	1	Fuse, Cartridge
150-1075	1	Rod, Governor Control	332-2103	1	Strip, Marker - 6 Place (Use with Terminal Block 332-0699)
153-0115	1	Element and Cover, Choke	332-2313	1	Strip, Marker - 4 Place (Use with Terminal Block 332-0254)
150-10B1	1	Joint, Ball - Socket			
140-1672	1	Wrapper, Air Cleaner			
201-2508	1	Armature, Generator (Includes Parts Marked *)			
203-0152	1	*Commutator, Generator			
204-0110	1	*Ring, Collector - Generator			
510-0047	1	*Bearing, Ball			
134-2749	1	Scroll, Blower Housing			
338-1332	1	Harness, Wiring - AC			
338-1820	1	Harness, Wiring - Control (Includes Parts Marked +)			
307-2562	2	+Relay, Ignition			
332-0699	1	+Block, Terminal			
332-1043	1	+Jumper, Terminal			
352-0161	1	+Resistor, Fixed			
357-0030	1	+Rectifier			
307-2588	1	Solenoid, Throttle (Includes Parts Marked °)			
307-2587	1	°Solenoid, Stop			
301-9868	1	°Bracket, Solenoid			
305-0383	1	Regulator, Voltage			
211-0365	1	Bell, End (Includes 4 Alignment Pins)			
353-0072	1	Resistor, 10 Ampere - 2 Step			
304-0706	2	Bracket, Resistor Mounting			
304-0015	2	Washer, Centering - Resistor			

PARTS NOT FURNISHED BY ONAN:
 Exhaust Heat Shields

SPECIAL PARTS LIST FOR MODEL 6.5 NH-FD SPEC 29842R

FOR STANDARD PARTS REFER TO CATALOG 940-0222 KEY NO.

OPTIONAL GROUPS IN CATALOG ARE LISTED BY GROUP NO. BELOW WHEN USED.

WIRING DIAGRAM NO. 611-1170-01

PART NO.	QTY.	DESCRIPTION	PART NO.	QTY.	DESCRIPTION
Manufactured for: General Cable					
Gasoline Carburetion					
2 Step Battery Charger					
PARTS NOT FURNISHED BY ONAN:					
Exhaust Heat Shields					

PARTS NOT FURNISHED BY ONAN:

Exhaust Heat Shields